

Johnson C. Smith University



CATALOG 1975-1977

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Johnson C. Smith University

1975 - 1977 CATALOG

This catalog is not to be construed as a contract. The university reserves the right to change fees, tuition, or other charges; add or delete courses; revise academic programs; or alter regulations and requirements as deemed necessary. Johnson C. Smith University offers both equal education and equal employment opportunities.

MEMBER

of

Southern Association of Colleges and Schools

Association of American Colleges

Association of Governing Boards of Universities and Colleges

American Council on Education

American Association of Colleges for Teacher Education

Council of Protestant Colleges and Universities

National Association for Equal Opportunity in Higher Education

North Carolina Association of Independent Colleges and Universities

North Carolina Association of Colleges and Universities

College Entrance Examination Board

Presbyterian College Union

United Negro College Fund

Piedmont University Center

Charlotte Area Educational Consortium

APPROVED

by

The American Medical Association

American Association of University Women

UNIVERSITY CALENDAR
Fall Semester 1975-76

| | |
|-------------------------------|--|
| August 24 | Residence halls open to Freshmen at noon. The first meal will be served at the evening meal hours. |
| August 25 | Pre-School Conference |
| August 24-27 | Freshman Orientation. This includes health examinations, written tests, orientation sessions and registration. All Freshmen who plan to enroll for the first semester should report to the campus Sunday, August 24. |
| August 28-29 | Registration of Freshmen |
| September 1 | Labor Day Holiday |
| September 2-3 | Registration of Upper Classmen |
| September 4 | First day of classes |
| September 9 | Opening Convocation |
| September 11 | Last day to enter for the Fall Semester |
| September 11 | Last day for adding courses |
| October 9 | Handwriting and Spelling Test for Teacher-Education Program |
| October 17 | Candidates completing requirements for graduation at the close of the Winter Semester must file application for degrees in the Office of the Registrar on or before this date. |
| October 17 | Alumni Day (no classes) |
| October 18 | HOMECOMING |
| November 10 | Last day for dropping courses |
| November 26 | Thanksgiving Recess begins at 1:00 p.m. |
| November 27-30 | Thanksgiving Recess |
| December 7 or 14 | Annual Christmas Program by the Music Department |
| December 10-13 | Fall Semester Examinations |
| December 14 - January 5 | The Christmas Recess. Residence halls and dining hall will close Sunday, December 14, at 5:00 p.m. |

Spring Semester

| | |
|-------------------|---|
| January 4-5 | Orientation - Freshmen and transfer students entering Spring Semester |
| January 5 | Faculty Pre-Semester Meeting (9:00 a.m. - 12:00 noon and 2:00 p.m. - 4:00 p.m.) |
| January 5 | Returning students should report on |

| | |
|----------------------------|---|
| | this day to obtain registration permits and consult with faculty advisers. |
| January 6-7 | Registration of ALL students. |
| January 8 | First day of classes |
| January 15 | Birthday of Dr. Martin Luther King, Jr. |
| January 16 | Last day to enter for Spring Semester |
| January 16 | Last day for adding courses |
| February 15-22 | Black History Recognition |
| February 17 | Handwriting and Spelling Test for Teacher-Education Program |
| February 20 | Candidates completing requirements must file application for degrees |
| February 22-26 | Spiritual Emphasis Week |
| March 8-13 | Women's Week |
| March 19-28 | Spring Recess begins at the close of class day, Friday, March 19, 1976 |
| April 4 | Founders' Day Convocation |
| April 16-19 | Easter Recess |
| April 18 | Easter Sunday |
| April 20 | Last day for dropping courses |
| April 26 - May 2 | Men's Week |
| May 7 | Last day of classes for seniors |
| May 10-11 | Reading period for seniors |
| May 11 | Last day of classes |
| May 12-15 | Senior Semester Examinations |
| May 12-14 | Reading period for students other than seniors |
| May 15-20 | Spring Semester Examinations |
| May 21-22 | Commencement Activities |
| May 23 | Commencement |
| May 24-25 | Faculty Postschool Conference |
| June 7-July 9 | Summer School |

UNIVERSITY CALENDAR
Fall Semester 1976-77

| | |
|-------------------------------|--|
| August 22 | Residence halls open to Freshmen at noon. The first meal will be served at the evening meal hours. |
| August 23 | Pre-school Conference |
| August 22-24 | Freshman Orientation. This includes health examinations, written tests, orientation sessions and registration. All Freshmen who plan to enroll for the first semester should report to the campus Sunday, August 22. |
| August 26-27 | Registration of Freshmen |
| August 30 | Registration of Upper Classmen |
| August 31 | First day of classes |
| September 6 | Labor Day Holiday |
| September 14 | Opening Convocation |
| September 14 | Last day to enter for the Fall Semester |
| September 14 | Last day for adding courses |
| October 12 | Handwriting and Spelling Test for Teacher-Education Program |
| October 15 | Alumni Day (no classes) |
| October 16 | HOMECOMING |
| October 22 | Candidates completing requirements for graduation at the close of the Winter Semester must file application for degrees in the Office of the Registrar on or before this date. |
| November 12 | Last day for dropping courses |
| November 24 | Thanksgiving Recess begins at 1:00 p.m. |
| November 25-28 | Thanksgiving Recess |
| December 5 or 12 | Annual Christmas Program by the Music Department |
| December 15-18 | Fall Semester Examinations |
| December 19 - January 3 | The Christmas Recess. Residence halls and dining hall will close Sunday, December 19, at 5:00 p.m. |

Spring Semester

| | |
|-------------------|---|
| January 2-3 | Orientation - Freshmen and transfer students entering Spring Semester |
| January 3 | Faculty Pre-Semester Meeting (9:00 a.m. - 12:00 noon and 2:00 p.m. - 4:00 p.m.) |
| January 3 | Returning students should report on |

| | |
|------------------------|--|
| | this day to obtain registration permits and consult with faculty advisers |
| January 4-5 | Registration of ALL students |
| January 6 | First day of classes |
| January 15 | Birthday of Dr. Martin Luther King, Jr. |
| January 19 | Last day to enter for Spring Semester |
| January 19 | Last day for adding courses |
| February 13-20 | Black History Recognition |
| February 17 | Handwriting and Spelling Test for Teacher-Education Program |
| February 20-24 | Spiritual Emphasis Week |
| February 23 | Candidates completing requirements must file application for degrees |
| March 7-12 | Women's Week |
| March 21-27 | Spring Recess begins at the close of class day, Friday, March 18, 1977 |
| April 3 | Founders' Day Convocation |
| April 8-11 | Easter Recess |
| April 10 | Easter Sunday |
| April 19 | Last day for dropping courses |
| April 25 - May 1 | Men's Week |
| May 6 | Last day of classes for seniors |
| May 9-10 | Reading period for seniors |
| May 10 | Last day of classes |
| May 11-13 | Senior Semester Examinations |
| May 11-13 | Reading period for students other than seniors |
| May 14-19 | Spring Semester Examinations |
| May 20-21 | Commencement Activities |
| May 22 | Commencement |
| May 23-24 | Faculty Postschool Conference |
| June 6-July 8 | Summer School |

General Information

HISTORY

In 1867 Reverend S. C. Alexander and Reverend W. L. Miller saw the need of establishing an institution in this section of the South and began devising such plans as would secure the desired results. On April 7, 1867, at a meeting of the Catawba Presbytery in the old Charlotte Presbyterian Church, formerly located at the corner of D and Fourth Streets, Charlotte, North Carolina, the movement for the school was formally inaugurated, and the Reverends S. C. Alexander and W. L. Miller were elected as teachers.

Information concerning the establishing of the school was brought to the attention of Mrs. Mary D. Biddle, an excellent churchwoman of Philadelphia, Pennsylvania, who, through appeals on behalf of the work in one of the church papers, pledged \$1,400. In appreciation of this first and generous contribution, friends of the project requested of Mrs. Biddle the privilege of naming the newly established school after her late husband, Major Henry Biddle. The request being granted, the school was named Biddle Memorial Institute and later was chartered by the State Legislature under that name. The first eight acres of land used as the site for the school were donated by Colonel W. R. Myers, a wealthy citizen of Charlotte, North Carolina. From 1867 to 1876 the school was known as the Biddle Memorial Institute. In 1876 the charter was changed by the Legislature of North Carolina, and the name of the school became Biddle University. The institution operated under this name until 1923.

During 1921-22 the late Mrs. Jane Berry Smith, of Pittsburgh, Pennsylvania, gave funds for the erection of a theological dormitory, a science hall, a teachers' cottage, and a memorial gate at Biddle University. In addition, she made provision for a handsome endowment for the institution in memory of her late husband, Mr. Johnson C. Smith. In recognition of these generous benefactions the Board of Trustees voted to change the name of the institution to Johnson C. Smith University. The charter of the school, accordingly, was so amended March 1, 1923, by the Legislature of the State of North Carolina. From 1923 until her death in October, 1929, Mrs. Smith gave funds for the erection of five more buildings, including a campus church.

The University was further strengthened in 1924-1925 from a substantial provision made by James B. Duke, a wealthy, "wise magnanimous" businessman of Somerville, New Jersey. Mr. Duke also had a home in Charlotte and had been contacted by the president of the University, Dr. H. L. McCrorey, several years earlier for a contribution. He did not respond to Dr. McCrorey's letter. But when Mr. Duke authorized the establishment of the Duke Endowment on December 11, 1924, Johnson C. Smith University was included as one of the

beneficiaries. Through the years the Duke Endowment has been of inestimable value to the continued development of the University.

The institution was recognized that year by the North Carolina State Board of Education as a four-year college. In 1929 the high school department was discontinued, and the standard program was restricted to a college of liberal arts and sciences and a theological department.

In 1932 the University's charter was amended, providing for the admission of women to its senior division. The 65-year-old institution for men then became partially coeducational.

In 1938 the institution attained the status of an independent college, affiliated with the Presbyterian Church in the United States of America, reporting to the General Assembly through the Board of Christian Education.

The first residence hall for women, named in memory of James B. Duke, was dedicated in 1940. In 1941 women were admitted to the freshman class. When the Diamond Jubilee was celebrated in 1942, the University was a fully coeducational institution.

Johnson C. Smith University joined the United Negro College Fund in 1944. This fund was organized primarily to help church-related schools of higher learning to revamp their training program, expand their plants, promote faculty growth, and create new areas of service. The institution's membership in the fund began to bear fruit immediately.

In November, 1955, the Henry Lawrence McCrorey Theological Building was dedicated and provided a new home for the 88-year-old seminary and its library. This new facility also provided space for a small chapel, classrooms, and spaces for offices. In 1969 the theological department was moved from Charlotte, North Carolina, to Atlanta, Georgia, and became a part of the Interdenominational Theological Center. The McCrorey Hall is now a classroom building for religious education, philosophy, sociology, and other classes.

Through increasing support from the Duke Endowment, the United Negro College Fund, and other sources, the period between 1955 and 1968 was one of expansion of the physical plant and enrichment of the curriculum. Seven new buildings were erected during this period: the new gymnasium with a standardized swimming pool, making it possible to add swimming to the general education requirements for graduation (1960), the Hardy Liston Residence Hall for women (1962), the University Memorial Union, containing a canteen, dining hall, faculty and student lounges, bookstore, post office, office spaces, and living quarters for guests (1965), the Duke Memorial Library (1967), a new science building (1968), Myers Residence Hall for men and Sanders Residence Hall for women (1967).

The institution completed in 1966 a two-year self-study program, which resulted in significant innovations in the curriculum. The year 1967 was a memorable one to all Johnson C. Smith University (formerly Biddle) alumni and friends wherever they were located. The University had reached its one-hundredth anniversary. During this

historic centennial occasion, the institution took stock of its past achievements and made innovative and creative plans for the future.

The present site contains 75 acres of land and 30 buildings. The University personnel consists of more than a thousand students and approximately 200 full-time faculty members, administrators, and staff for administrative and support services.

Increasingly aware that today's demand for truly educated men and women is the most pressing in history and that quality and versatility are prerequisite to equal opportunity for all, Johnson C. Smith faces the challenge of her second century with new vision and a calculated plan of action.

PURPOSE

Johnson C. Smith University, an independent, private college of liberal arts, was founded under the auspices of the Committee on Freedmen of the Presbyterian Church, U.S.A. The original purpose, which was to provide an institution of training "for the ministry, for catechists and for teachers," has been greatly expanded. At the present time, Johnson C. Smith University exists as an undergraduate institution of higher learning, offering varied fields of study in the context of the small liberal arts college tradition, and is open to all qualified persons.

The general purpose of Johnson C. Smith University is to provide an environment in which men and women may realize as fully as possible their individual potential for intellectual, social, spiritual, emotional, and physical growth and well-being. In terms of intellectual growth, the purpose is to encourage and develop objective, critical, and creative thinking, together with the ability to communicate thoughts and feelings effectively. In terms of social growth, the purpose is to develop the sensitivity and capability necessary for constructive human relationships at all levels of interaction, both with other individuals and with groups. In terms of spiritual growth, the purpose is to offer avenues for examining and expressing religious, moral, and aesthetic values and commitments. In terms of emotional growth, the purpose is to provide assistance in the continuing development of realistic self-understanding and self-acceptance. In terms of physical growth, the purpose is to provide for both theoretical understanding and practical implementation of the conditions necessary for the physical well-being of the individual and the community.

In the realization of these general goals of liberal arts education, Johnson C. Smith University has certain specific concerns and distinctive emphases which give the institution its individuality and identity. The special characteristics of Johnson C. Smith University include the following:

1. Effective relationships between the theoretical and the practical, between the development of the basic tools of communication and their application to various occupational fields

2. Primary emphasis upon teaching as the basic function of the faculty, with provisions for continuing evaluation, research, and improvement of the teaching-learning process

3. Concerted efforts to meet actual needs of all students by devising specially designed programs both for the marginally prepared and for the exceptionally well prepared, as well as enriched and innovative programs for the adequately prepared

4. Explicit attention given to the experiences, outlook, and needs of particular cultural groups with the constant endeavor to integrate this concentration into the study and appreciation of American and other cultures

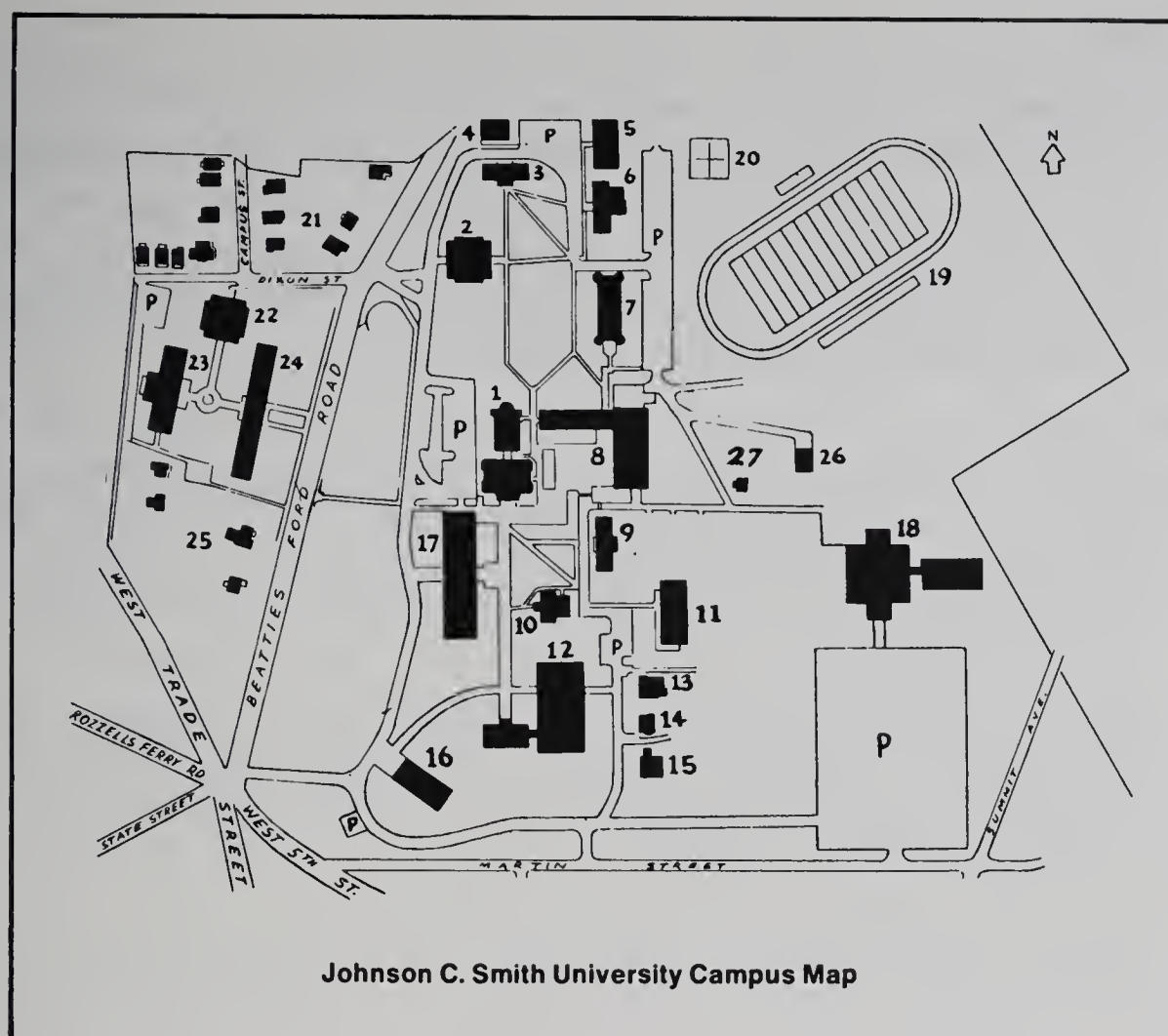
5. Acknowledgment of the history and current relevance of the religious heritage of man, as well as the development of new ways for relating the religious orientation and tradition of this institution to that heritage

6. Adoption and development of an integrative approach to all aspects of the life and work of the institution

7. Development of relationships between the University and the community wherein each benefits from the presence of the other

ACCREDITATION

Johnson C. Smith University is a fully accredited member of the Southern Association of Colleges and Schools. It is also a member of the Association of American Colleges, the American Council on Education, the American Association of Colleges for Teacher Education, the Council of Protestant Colleges and Universities, the Presbyterian College Union, the North Carolina Association of Colleges and Universities, the College Entrance Examination Board, and the United Negro College Fund. It is approved by the American Medical Association and the American Association of University Women.



CAMPUS

Johnson C. Smith University Campus Map

- | | |
|--|--------------------------------------|
| 1. Biddle Memorial Hall (Administration Building) | 15. Freshman-Sophomore Center |
| 2. Myers Hall (Men's Dormitory) | 16. University Church |
| 3. Berry Hall (Men's Dormitory) | 17. James B. Duke Memorial Library |
| 4. Maintenance Building | 18. Gymnasium |
| 5. Financial Affairs Office | 19. Sanders-McCrorey Field |
| 6. Band Room | 20. Tennis Courts |
| 7. Carter Hall (Men's Dormitory) | 21. Faculty and Student Housing |
| 8. University Memorial Union | 22. Sanders Hall (Women's Dormitory) |
| 9. Smith Hall (Men's Dormitory) | 23. Duke Hall (Women's Dormitory) |
| 10. Office of Student Affairs | 24. Liston Hall (Women's Dormitory) |
| 11. McCrorey Building | 25. Cottages |
| 12. Science Center | 26. Heating Plant |
| 13. Infirmary | 27. Faculty Office Building |
| 14. University Relations | P Parking Area |

Johnson C. Smith University is located at 100-300 Beatties Ford Road near the intersection of West Trade Street, Fifth Street, and Rozzells Ferry Road in Charlotte, North Carolina. Charlotte is served by Eastern, Delta, Piedmont, and United Airlines, by Greyhound and Trailway buses, and by Southern Railway. The campus is easily accessible to Interstates 85 and 77.

Buildings

Biddle Memorial Hall, the main building of the campus, contains the administration offices of the University, recitation and lecture rooms, and lounges for faculty and students. The building consists of five stories and a tower which contains the chime clock. Biddle Memorial Hall is located on the highest knoll of the campus and may be seen from almost any section of the city.

Carter Hall, built in 1896, is a dormitory for college men. The original building was a gift of Miss Laura Carter of Geneva, New York. In 1955 the building was completely modernized on the inside, leaving the outside walls to retain the original architecture. It houses 106 students with a lounge, recreation area, and living quarters for the Director.

Johnson C. Smith Memorial Dormitory, which stands on the eastern side of the campus, supplies rooms for about 62 men students. It was named for the late Mr. Johnson C. Smith of Pittsburgh, Pennsylvania.

Berry Hall, a dormitory for men, stands at the northern end of the campus. It has four stories, including a basement. This dormitory, which was given in memory of the late Mrs. Smith's parents, has a reception parlor and houses about 55 students.

The James B. Duke Memorial Hall, the first dormitory to be constructed on the campus for the housing of female students, is located across Beatties Ford Road at the southwest end of the University campus. The three story building is Georgian in style with exterior walls of brick with limestone trimming. In addition to ideal living quarters for approximately 110 students, it provides a director's office, a beauty parlor, and laundry and trunk rooms.

Carnegie Hall, which housed the library from 1911 to 1968, is now occupied by the Offices of the Vice President for Student Affairs, Director of Student Life Programs, Counseling and Testing Services, Career Planning and Placement, and Financial Aids.

The Jane M. Smith Memorial Church, located near the entrance to the campus, is a gift of the late Mrs. Jane Berry Smith. This structure, built of colonial brick with limestone trimming, has a front supported by limestone columns. A beautiful church building, it was erected in 1928.

Smith Cottage, originally built as the winter home for Mrs. Johnson C. Smith, now houses the offices of Public Relations, Alumni Affairs, and Private Relations.

The Henry Lawrence McCrorey Memorial Building, dedicated on November 12, 1955, was formerly the administration building for the School of Theology. It was erected from funds raised by alumni, churches in the Catawba, Atlantic, Blue Ridge and Canadian Synods, local friends, and the Building Funds Campaign of the Presbyterian

Church, U.S.A. It contains three stories, including eight classrooms, offices for the faculty members, an assembly room, a room for meditation, the office of the Field Representative of Catawba Synod, a reception room, and a stack room.

The Central Heating Plant was dedicated on April 7, 1954. It replaces individual heating units in the several campus buildings and is capable of furnishing heat and hot water for several of the buildings on the campus.

The Hartley Woods Hall, a gift of the late Mrs. Jane Berry Smith as the campus gymnasium, is situated at the northern end of the University Quadrangle. It now houses the Office of Financial Affairs.

The Gymnasium was completed in 1961. It is ideally situated on a spacious plot adjacent to a wooded area of the campus and well away from other campus buildings. The gymnasium is a split-level brick and steel structure with the main playing floor, a seating capacity of 2500, two lobbies, and accessory equipment and storage rooms on the upper level. On the lower level are five instructors' offices, two classrooms, the main equipment and storage rooms, and the main physical education locker and towel rooms.

A glass-enclosed corridor connects the Pool Building with the lower level of the gymnasium. The south wall of the building is of fixed glass with sliding glass doors that open onto a patio which extends the length of the building. The swimming pool is seventy-five feet long and forty-two feet wide, meeting indoor Olympic regulations. The depth of the pool is from three to ten feet. The pool building also contains the office of the swimming instructor, toilet facilities, and beneath the pool deck, a corridor that encircles the pool wall and runs to the mechanical equipment room.

Liston Hall, dedicated on April 7, 1963, is a dormitory for women. Of modern design, the building will accommodate 152 students. It has two lounges and other facilities adequate for the convenience of young ladies. The building was named in memory of Dr. Hardy Liston, who served as president of the University from 1947 until his death in 1956.

The University Memorial Union, dedicated on May 30, 1965, is a beautiful three-story building which includes a dining hall, conference rooms, faculty and student lounges, a book store, a post office, and four guest rooms.

The James B. Duke Memorial Library, a modern structure near the center of the campus, was completed in the summer of 1967. It has an open-shelf arrangement, designed to create interest and provide easy access to the collection.

Total resources of the library include materials directly related to classroom work, as well as general and recreational reading materials. It houses valuable reference books, bound and unbound periodicals, pamphlets, and audio-visual materials, in addition to the general book collection—all of which promote the objectives of the

University. There are frequent displays on subjects of general and special interest.

Books and periodicals not available in the James B. Duke Memorial Library may be obtained from other libraries through interlibrary loans and copying facilities.

Comfortable reading areas are provided on both floors of the Library. On the second floor are located study carrels for instructors and students. The west wing of the building houses the Audio-Visual Center and two classrooms for lectures and viewing.

Policies, designed for the interest of all users of the library, appear in the Library Guide distributed at the circulation desk.

Myers Hall, completed in 1967, accommodates 122 men students. A modern four-story structure, the building has on the first floor an apartment for the director, a two-room suite for counselors, a lounge, a TV-snack room, laundry facilities, and an office for the Assistant Director of Student Life Programs (for men).

Sanders Hall, built in 1967, accommodates 120 women students. The four-story building has on the first floor two apartments for directors, a snack bar, a grooming room, laundry facilities, and an office for the Assistant Director of Student Life Programs (for women).

The New Science Center is a two-million-dollar complex, composed of a new three-story structure connected to the completely renovated George E. Davis Science Hall. Fully equipped for teaching and research, the center has classrooms, offices and laboratories, and facilities for experimental work in chemistry, the life sciences, mathematics, physics, earth science, psychology, computer science, and engineering sciences.

PUBLICATIONS

The *Johnson C. Smith University Catalogue* and admissions materials are published by the University.

The Bull, the yearbook, is published each year by the students.

The Newsletter is published six times during the year in February, April, June, August, October, and December by the Office of University Relations.

The University Student, a college paper, is published periodically during the school year by the students.

The Student Handbook is published by the Office of Student Affairs as a guide to student life at the University.

ADMINISTRATIVE ORGANIZATION

Board of Trustees

The Board of Trustees exercises final authority of all University governance within the limits of the established charter granted to the

institution by the State of North Carolina. The trustees delegate authority to various divisions of the University through the president. The officers of the University are delegated a portion of the responsibility for functions within the University. Brief descriptions of these offices and responsibilities follow.

Officers of the University

The president of Johnson C. Smith University is elected by the Board of Trustees and is an ex-officio member of the board. The other officers of the administration are appointed by the Board of Trustees upon the recommendation of the president. The following positions comprise the officers of Johnson C. Smith University: President, Vice President for Academic Affairs, Vice President for Business and Financial Affairs, Vice President for Student Affairs, and Vice President for Administrative Affairs.

Office of the President: All officers of the University report directly to the President, and through him to the Board of Trustees. Reporting directly to the Office of the President are the Vice President for Academic Affairs, Vice President for Business and Financial Affairs, Vice President for Student Affairs, and Vice President for Administrative Affairs.

Office of the Vice President for Academic Affairs: The Vice President for Academic Affairs is the chief administrative officer for all academic programs. All academic officers report through him to the President. These include the Director of Admissions, the Registrar, the Director of Freshman-Sophomore Studies, the Librarian, the Director of Summer School, and Chairmen of academic divisions.

Office of the Vice President for Student Affairs: The Vice President for Student Affairs is the chief administrative officer responsible for the administration of student affairs. Those officers reporting to him are the Director of Student Life Programs, the Director of Counseling and Testing, the Director of the University Union, Coordinator of Religious Life, and the Director of Student Financial Aid, the Director of Health Services, the Director of Career Planning and Placement, and the Director of Upward Bound Program and Special Services.

Office of the Vice President for Business and Financial Affairs: The Vice President for Business and Financial Affairs is the chief administrative officer responsible for the financial and business operations of the University. Those officers reporting to this office are the Administrative Officer, the Personnel Officer, and Comptroller and Chief Accountant, the Director of Physical Plant, and the Director of Auxiliary Services.

The Office of the Vice President for Administrative Affairs: The Vice President for Administrative Affairs is the chief administrative officer responsible for general administrative procedures involving the operation of the following officers: the Director of Development, the Director of Alumni Affairs, the Director of University Relations, the

Director of Institutional Research, and the Director of Federal and Community Relations.

Administrative-Faculty-Student Committees: Administrative-faculty-student committees provide an opportunity for administrators, faculty, and students to work together in evaluating, recommending, and implementing policy. This university community approach to decision making and policy formulation creates a better understanding of the total university and gives each segment an opportunity to discuss various points of view. These committees are responsible to the President and relate to that office through the vice presidents.

Individual students may express their views and ideas to members of specific committees or they may initiate discussion with the Student Government Association, Residence Hall Councils, Pan Hellenic Council, the Council on Non-Greek organizations, or the Office of the Vice President for Student Affairs.

Student appointments to these committees are made by the president of the Student Government Association who submits his recommendations to the Office of the Vice President for Student Affairs. Upon confirmation by the Vice President for Student Affairs, the names are submitted to the President for appointment.

Student Life

DIVISION OF STUDENT AFFAIRS

The Division of Student Affairs consists of a core of programs that facilitate entry into the college environment. These programs are designed to provide the student opportunities for:

- healthy mental and emotional development
- self direction and responsibility
- positive group interaction and interpersonal relationship
- creative use of leisure time
- clearer understanding and practical implementation of activities necessary for physical well-being
- acquisition of financial resources for educational costs
- development of spiritual values and expression of religious interests
- adequate planning for the postcollege environment.

These objectives are achieved through the several offices and/or programs that function under the direction of the Vice President for Student Affairs. These offices are Student Life Programs, Counseling and Testing, Upward Bound and Special Services, Religious Life, Health Services, Student Activities and Student Union, Financial Aid, and Career Planning and Placement.

Student Life Programs

Student Life Programs focus on the general life and development of the student in the campus community. These programs, under the direction of the Office of Student Life Programs, include housing, student development programs, orientation, advising of veterans and international students, convocations, student government, operations of fraternal organizations, student publications, and judiciary programs.

New Student Orientation

A period of orientation is provided at the beginning of each semester for new students. Orientation consists of activities that will facilitate entry into the new environment of the campus community. Students are introduced to the philosophy, the facilities, and the services of Johnson C. Smith and are provided opportunities to meet the people who run the University. Orientation also includes academic advisement and consultation. Students are given assistance in initiating a program of study through testing and placement, consultation with advisors, instruction in registration policies and procedures, and

introduction to major fields of study. Cultural activities, social affairs, and sports events are also a part of the orientation program.

Housing

The University may not have housing available to accommodate all students who wish to live on campus. For this reason, each student must apply each year for campus housing. Students are requested to file housing applications by June 30th. It should be noted, however, that this does not guarantee housing space. Availability of space will be determined by the number of applications received by the filing deadline. New students who are admitted too late to file by June 30th are requested to file as soon as possible after being admitted.

A student must be admitted to the University before an application for housing will be accepted. Each person making application for student housing must make a deposit of twenty-five dollars, which must accompany the application for housing. The housing deposit will be held as an assurance that the applicant complies with the procedures for being admitted to student housing. If the proper procedures have been followed, the deposit will be applied to the student's account when he registers for the period for which the application is made.

Students who are approved for campus housing will be sent a Housing Assignment Notice. The assignment must be accepted or rejected not later than three weeks prior to the date of occupancy. Students who are not approved for campus housing will be refunded their deposit. If a student accepts a housing assignment and decides later not to enroll and gives notice of the decision at least three weeks before the date of occupancy, the assignment will be cancelled and the deposit refunded. Cancellation for any reason after this date will result in forfeiture of the deposit.

A housing assignment is made for the entire academic year. Except for students graduating or separating themselves from the University during the semester, individuals who accept assignments in campus housing obligate themselves to remain for the period of the assignment. Any other exceptions must be approved by the Vice President for Student Affairs and the Office of Business and Financial Affairs. Residents must not move from the residence hall without this approval.

Students who live off campus must keep the Vice President for Student Affairs informed of their correct address. Off-campus students are responsible to the University and are expected to maintain the same standards as students in the residence halls. Contacts with students in off-campus housing are maintained through the Director of Student Life Programs.

Counseling and Testing

Counseling and testing services are provided to help students

assess their academic, vocational, and personal development. This office also assists students in developing and modifying behaviors in seeking the solution to problems of personal, social, and emotional development. By administering tests and interpreting the results, this office guides students in the evaluation of their aptitudes, interests, and performance.

Upward Bound and Special Services

Upward Bound is a pre-college program for the marginal student who exhibits exceptional potential for academic achievement. The primary goal of the program is to focus on skill-building and personal growth that will enable students to experience greater success in their post-secondary activities. This program is committed to work with those students who, from all indications, probably will not achieve success unless some non-classroom assistance is given to them. Students enter the program in the sophomore year of high school and continue through the senior year and the summer immediately after high school graduation.

Special Services is a program designed to work with a limited number of freshmen and sophomore students whose previous academic performance and cultural exposure indicate need for supportive services in order to enable them to successfully achieve at the college level. The program consists of three basic components: reading skills and language laboratory use, tutorial assistance, and counseling and contact services.

Religious Life

Programs of religious life are developed and coordinated by the Coordinator of Religious Life Programs. This program consists of religious activities representing educational and spiritual values in terms of individual development and personal discipline.

Health Services

Health supervision and medical care are provided for students through the Student Health Services. The staff consists of a physician and staff nurses.

A physical examination is required of each new student. This examination should be secured by the student before admission to the University.

All full-time students are entitled to consult with the Health Services staff. Students living off campus must report to the Health Center for treatment.

Persons reporting to Health Services for treatment will be given the initial dose of medicines and drugs available. Prescriptions will be

given for subsequent drug and medicinal needs, to be filled at the student's expense. If the Health Services provide medication beyond the initial dose, these will be given at the student's expense.

Frequently specialists are needed for students. In such cases the Health Services staff will refer students to recommended specialists. The cost of the services of specialists will be the responsibility of the student and his parents.

Students who need hospital care will be referred to hospitals in the city of Charlotte. The cost of hospitalization care will be the responsibility of students and their parents.

Health and Accident Insurance

Students are urged to carry adequate health insurance to protect against the possibility of serious illness or injury requiring hospitalization or expensive medication and/or treatment. The University has accident and hospitalization insurance which is required of each student. Cost of treatment and hospitalization beyond the amount covered by this insurance is the responsibility of the student and his parents.

Students with coverage under family health plans should check frequently their status in the plan since most family plans have certain age limitations.

Student Activities and University Union

The program of student activities is a means by which students engage in living-learning experiences in an informal curriculum apart from the classroom. These programs are intended to provide activities for development of responsible group participation and avenues for social interaction, creative use of leisure time, as well as cultivation and expression of various student interests. In addition to activities which emanate from the interests of individuals and informal groups, the following organized groups comprise the student activities program:

Governing Organizations: Opportunities for participation in policy-making are provided through membership in the Student Government Association, the Student Christian Association, Residence Halls Council, Pan Hellenic Council and the Council of Non-Greek Organizations.

Honorary Societies: These student organizations give recognition to high scholarship achievement and seek to promote an atmosphere of high scholarly attainment in the campus community. Included are Alpha Kappa Mu Honor Society, encompassing all students who achieve high scholastic averages in their over-all academic performance, and several societies which include students who achieve high academic averages in a particular major department.

Academic and Pre-Professional: This group of student organizations is related to academic departments and pre-professional interests which serve to bring together majors in a particular academic discipline and students who plan careers in a related profession. Their aims are to expand understanding of the academic or professional area and provide opportunities to relate knowledge and skills acquired in classroom situations to out-of-class situations.

Service: Service organizations seek to enrich the educational experience of their members through a variety of service endeavors on campus and in the community.

Performing Groups: Performing groups and organizations consist of those students with outstanding talents in the performing arts or athletics, and serve to recognize those individuals who contribute their talent and skills to the campus community through their participation in the several performing activities on campus.

Fraternities, Sororities and Social Fellowships: Eight national Greekletter fraternities and sororities and four national Social Fellowships are chartered to establish chapters on the campus.

The University Union: This is a service of organized cultural, social, recreational, and individual-interest programs serving all students, the faculty, administrators, and staff. The union program is also available for use by alumni. It is important to understand that the University Union is an organized program of services and not simply a building.

The major focus of union takes place in the University Memorial Union building. The building houses offices for staff, conference rooms, guest rooms, the bookstore, the post office, recreational facilities, the cafeteria, a snack bar, a music listening room, an all-purpose lounge and ball room, a browsing-reading room, and the radio station.

The Union program is administered through an organizational structure consisting of the Governing Board, the Program Board and its several sub-committees, and a professional staff.

The University Union functions as a part of the educational program of the institution, its goal being development of the individual and the intellect. The Union serves as a laboratory of citizenship, training students for social leadership and responsibility. It provides a cultural and recreational program, seeking to establish cooperative relationship between study and free time activity. Finally, it encourages self-directed activity, providing opportunities for self realization and individual and group social competency.

Financial Aid

Application Procedure

One annual application, when properly completed, will place the applicant in consideration for any student aid funds administered by the Financial Aid Office.

All applicants for financial assistance must submit a confidential family financial statement. The parents or guardians of an applicant must complete and mail the Parent's Confidential Statement (PCS) to College Scholarship Service, Princeton, New Jersey, for need analysis. Independent or self-supporting students should file the Student Financial Statement (SFS) with College Scholarship Service, Berkeley, California. These forms are available at high school guidance offices and the Student Financial Aid Office at the University. Students who expect to receive academic scholarships, athletic grants, or music grants must submit the above applications in the same manner as those applying for federal assistance.

As a general rule, the deadline for all applicants is April 15th of each year. Applications are accepted after this date for entering students who are admitted after April 15th.

All students who are eligible to apply for Basic Educational Opportunity Grants are urged to file applications as soon in the year as the forms are made available.

Scholarships

Competitive Scholarships: The University offers competitive scholarships to applicants for the freshman class who are accepted into the Honors Program. These scholarships range up to the full cost of tuition and fees for the four-year period. Not more than one-fourth of the scholarship may be used during one academic year. The recipient must maintain honor grades as designated by the Honors Program chairman for the scholarship to be renewed each year.

Academic Scholarship: A limited number of academic scholarships are offered to high school seniors who do not qualify for the competitive scholarships (Honors Program), but who do have very good scores on the Scholastic Aptitude Test (SAT) and exceptional high school records. Recipients must maintain a minimum cumulative grade point average of 3.0 or B. Awards may be renewed each year upon application and according to availability of funds.

North Carolina Scholarships: Johnson C. Smith receives state support based on the number of North Carolina residents enrolled. All in-state students who apply for aid from the University and show need for financial assistance will be given consideration for these scholarships.

Music Scholarships: Music scholarships are available to persons who demonstrate exceptional skills in choir and band. Recipients of these awards must be recommended by either the choir or band director at Johnson C. Smith.

Grants

Basic Educational Opportunity Grants: The Education Amendments of 1972 authorized a new program of financial aid, the Basic Educational Opportunity Grants (BEOG). This program provides awards to students based on an eligibility index as determined by a central processing agency. The grant provides up to one-half of the actual cost of attendance at the institution but must not exceed the student's determined need. A Basic Grant application must be filed each year according to instructions. Forms may be obtained from high school guidance offices, post offices, the Johnson C. Smith Financial Aid Office or by writing to B.E.O.G. Program, Post Office Box 1842, Washington, D. C. 20013.

Supplemental Educational Opportunity Grants: The federal government provides funds for the Supplemental Educational Opportunity Grant (SEOG) program, through which assistance is available for a limited number of undergraduates with great financial need. An SEOG may range from \$200 to \$1,000 depending on the family's financial circumstances. The grants must be matched by at least equal amounts of other aid, usually long-term loans or work-study jobs. The federal grant may be renewed for each of four years depending upon the recipient's financial need and availability of funds. The total amount received from SEOG cannot exceed \$4,000 over a four-year period.

Athletic Grants-in-Aid: Grants-in-Aid are available to students with athletic ability. Awards are made for performance in football, basketball, track, tennis and swimming, with recipients being recommended by the coaches in each department.

Loans

National Direct Student Loans: The National Direct Student Loan (NDSL) program, formerly the National Defense Student Loan Program, is supported by contributions from the federal government, the institution, and repayment from previous borrowers. These loans are available to undergraduate students, dependent upon the amount of the student's need and the availability of funds. A borrower may receive a maximum of \$5,000 during his undergraduate years.

Repayment of a National Direct Loan does not begin and interest is not charged as long as the borrower is enrolled at least half-time at an institution of higher learning. Repayment of principal, plus 3% per annum, begins nine months after the borrower ceases to be at least a half-time student. A ten-year repayment period is possible for large indebtedness; however, a minimum payment of \$30 per month is required. Repayment installments may be postponed for a maximum of three years if the borrower is a member of the military service, Peace Corps or Vista.

Guaranteed Student Loans: The Guaranteed Student Loan Pro-

gram provides loans from private lenders (banks, credit unions, etc.) to students whose adjusted family incomes are less than \$15,000. Interest is at 7% per year with the federal government paying the interest during the in-school period for those students who qualify for the federal interest benefit.

Procedures for applying for Guaranteed Loans may differ in each state. Necessary application forms may be obtained from the lending agency itself or from the Financial Aid Office at the University.

Part-Time Employment

College Work-Study: The federally supported College Work-Study Program provides “guaranteed” jobs for students clearly in need of assistance to enter or continue in school. Ordinarily, a Work-Study job is an on-campus assignment for part-time work according to the student’s preference and ability. Jobs are available in all areas of the University.

A student approved for the Work-Study program is allocated a specific number of hours which he may work during the academic year, based on the amount of his financial need. Usually, a student works 15 hours per week and earns approximately \$700 per year. Annual renewal of a Work-Study assignment is dependent upon the student’s application for the job, financial need and his employer’s satisfaction.

PACE Program: The University uses a portion of its federal College Work-Study funds to provide full-time summer jobs for needy North Carolina students through the PACE Program. Jobs in public, non-profit agencies in all North Carolina counties are established through the program and an eligible student is placed in a PACE job in or near his home town. The student is expected to save a designated amount of his earnings from summer employment to help meet his college expenses for the following academic year. The student’s expected savings are made a part of his financial aid award from the University.

Students interested in the PACE Program must complete the PACE application which is available from the high school guidance counselor or from the Financial Aid Office. Only students showing financial need may be certified for the program and students from low income families are given preference.

Institutional Work Aid: The University provides funds for employment of a limited number of students who show lesser need or do not qualify for the federal Work-Study program. The institutional Work Aid Program follows the same principles of College Work-Study in terms of hours, wages, and pay periods. However, payment is made as a direct credit to students’ accounts.

Awards and Prizes

A limited number of scholarship awards and prizes are available to students with exceptional skills in given areas. Funds for these awards are provided by private donors and companies who are patrons of the University. Interested students may inquire about eligibility requirements for the awards at the Office of Student Financial Aid.

The Robert L. Douglas Memorial Scholarship in Mathematics is awarded by Dr. Clarence F. Stephens, a graduate in the Class of 1938, in honor of the late Dr. R. L. Douglas who served for a number of years as Professor of Mathematics at the University. This scholarship of \$100.00 is awarded annually to a junior or senior mathematics student who has demonstrated ability and enthusiasm for graduate study in mathematics.

The Catherine Hughes Waddell Memorial Scholarship, a merit scholarship of \$500, is awarded to the best all-around student in scholarship and campus citizenship.

The A. O. Steele Prize of twenty-five dollars is given annually by the community Leadership Training Class in Religious Education to the freshman making the highest yearly average in religious education.

The Reader's Digest Foundation Endowed Scholarship Fund is provided by a grant of \$2,500 from the Reader's Digest Foundation through its scholarship program. The annual income from the fund granted for each of four years, 1966-70, makes scholarship assistance available to a highly qualified student.

The Jefferson Standard Scholarship of \$600 is provided annually by the Jefferson Standard Foundation beginning in the 1969-1970 school year, for a major in business administration.

Alpha Kappa Mu Honor Society Award is given to a sophomore student holding the highest average.

The Samuel W. Byuarm Award, awarded by the National Council of Christians and Jews, is for students who have demonstrated an interest in promoting human relations.

Other Forms of Educational Assistance

Other sources of Financial Aid not administered by the Student Aid Office are available for assisting students in meeting their educational expenses. Assistance from an outside agency or program may provide the full amount needed by the student or it may be combined with an award from the University to meet this need. Information about outside forms of aid can be made available upon request.

Career Planning and Placement

Career Planning. Students are assisted in career exploration and

planning through career and vocational counseling; and the maintenance of a library of career information.

Job Placement. The Career Planning and Placement Center provides assistance in seeking part-time, summer and career employment. The center maintains contact with business, industry, school systems, government, non-profit and educational organizations, and provides job listings and schedules campus recruitment visits and interviews by representatives of these organizations. Credential services are provided for those persons who are registered with the center. These services are available to undergraduates, graduating seniors and alumni. Students are given assistance in interview behavior, techniques of job seeking, and in the selection of positions in which their training and capabilities will best be utilized.

Cooperative Education. The Cooperative Education Program is designed to expose students to the actual world of work in order to assist them in applying the knowledge and principles learned in the classroom to work experience. This program integrates classroom experience with on-the-job work experiences in industry, business, or service occupations. A student classified as a Junior with not less than a "C" average is eligible to apply for the Cooperative Education program. Participants receive at least 6 credits and comparable salaries during their tour of duty. He is considered enrolled in the University while he might be employed out of town.

Participation in the program could cause graduation to be delayed by one or two semesters, but the rewards are well worth the delay.

Standards For Student Life

Johnson C. Smith University assumes that it is a community of mature students. It expects that the students will engage in life patterns that are consistent with this basic assumption.

The University standards are designed to maintain those conditions which will guarantee the best possible development of the mental, physical, social and spiritual potentialities of every student on the campus. Success in this connection is dependent upon the fullest cooperation of everyone who participates in the life of the University.

Membership in The University

Attendance at Johnson C. Smith University is a privilege and not an inherent right. The University requires each student to observe the guidelines for student life in the University as found in this catalogue, the Student Handbook, house regulations governing life in the several residence halls, and other policies and procedures published in official University publications.

The University reserves the right to cancel the enrollment of any student who abuses this privilege and violates the standards of life in

the University when it shall be determined through the established process that a student has forfeited his privilege to remain in the University.

The basic standards, policies and procedures for student life are set forth in the Student Handbook and are supplemented by policies and procedures specific to the various administrative and academic offices.

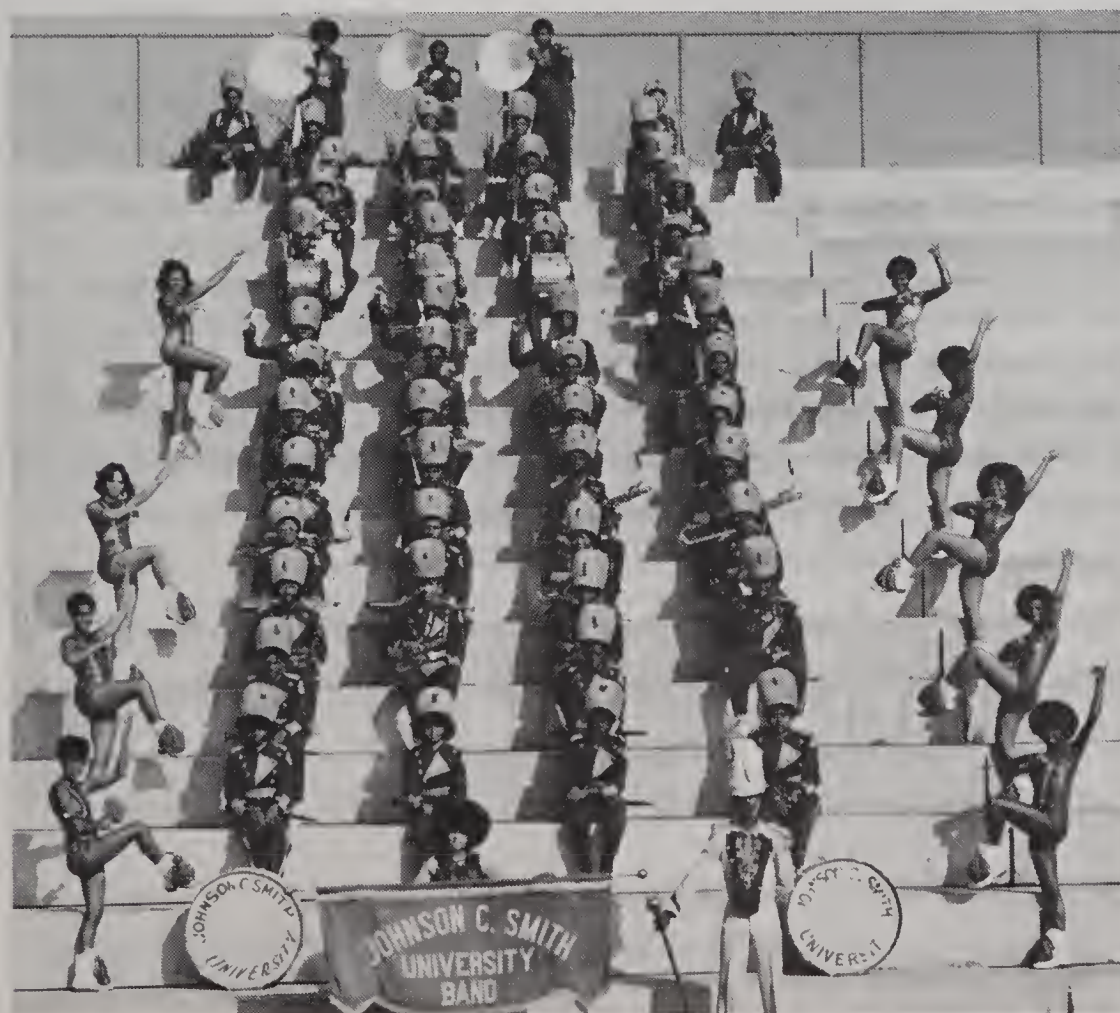
Administration of University Regulations and Standards

Regulations are normally administered by the office responsible for the several areas which the regulations govern. When difficulties arise in observance of these regulations to the point where such difficulties cannot be resolved by the administrative supervisor of that area, it shall be referred for adjudication through the judicial system established for student discipline, as outlined in the Student Handbook.

ATHLETICS

Physical education and health, and athletics are considered integral parts of the total educational program offered at Johnson C. Smith University.

The University is a member of Central Intercollegiate Athletic Association, National Collegiate Athletic Association, National Association of Intercollegiate Athletics, American Tennis Association and National Intramural Association.



Admission

REQUIREMENTS FOR ADMISSION

Johnson C. Smith University will accept, without regard to race, color, sex, or national origin, all qualified applicants approved by the Admissions Committee.

Admission to the freshman class is generally limited to recommended graduates of accredited secondary schools who rank in the upper two thirds of their class and have taken the College Board (SAT) or the ACT. These students should have a minimum of sixteen units, including four units of English, two units of mathematics, two units of social science, one unit of science, and enough electives for a total of sixteen units.

Johnson C. Smith University will accept a limited number of academically high risk students. Generally, however, applicants graduating in the fourth quarter of their class and those making a low SAT or ACT score may not be considered for admission.

The Admissions Committee, after reviewing the total record of an applicant, may decide one of the following: first, to admit him to the regular freshman class but to require the applicant to take such needed courses as may be determined by the placement tests; second, to offer suggestions of other educational programs which may better serve the applicant's needs.

FORMAL APPLICATION

Every candidate for admission must make formal application to the director of admissions. The student must request an application blank from the director of admissions, complete it properly, and return it with the application fee of ten dollars (check or money order made payable to Johnson C. Smith University). **THIS FEE IS NOT REFUNDABLE.**

Applications for admission are accepted at any time during the year, but all credentials must be on file in the Office of Admissions at least two months before the beginning of the semester in which the applicant plans to enter.

BASIS FOR SELECTION

In reviewing credentials presented, the decision of admittance is based on the following:

1. Secondary school record
2. Level of performance on the Scholastic Aptitude Test of the College Entrance Examination Board or the American College Testing Program

3. Predicted degree of success based on class rank, size of class, and standardized test scores.
4. Health record

ACCEPTANCE NOTICE

The application for admission will be processed immediately after the required credentials have been received, and the student will be notified of the decision of the Admissions Committee. A permit to register will be mailed to the approved applicant after the final records, the certification of graduation from high school, and the pre-entrance medical record have been received.

Applicants for admission may arrange to visit the college. This visit, however, is not a requirement for acceptance. Appointments for such visits should be made in advance.

FINANCIAL ASSISTANCE

Information on and application for financial aid may be requested from the director of financial aid. (For additional information see Division of Student Affairs.)

TRANSFER STUDENTS

An applicant from another accredited college or university may be considered for admission to Johnson C. Smith University if he has an overall average of C or above. No transfer credit is given for any course in which the applicant earned a grade below C. Each transcript is evaluated on its own merits in light of its conformity with the program of study in the curriculum of Johnson C. Smith University.

The Admissions Committee will consider favorably only transfer applicants who are in good standing with the institution from which they are transferring.

The University generally will accept a maximum of sixty-four semester hours of credit from a junior college. Semester hours, not grade points, are transferred.

FOREIGN STUDENTS

A prospective foreign student is required to submit the following materials before an admissions decision can be reached on his application:

1. An application form furnished by the director of admissions
2. An original or a certified photostatic copy of a transcript of work completed on the secondary level and, if applicable, on the college level

3. Evidence or proof of proficiency in English (TOEFL)
4. A statement indicating that the applicant's financial resources will enable him to meet U. S. study costs
5. A one thousand dollar retainer fee before the release of the I-20 form
6. Three letters of recommendation acknowledged directly from their senders
7. A health certificate
8. A certified chronological list of all courses taken from the beginning of elementary school to the highest level attained. A foreign student attending another U. S. institution will not be considered for admission on a transfer basis until he has completed at least one semester (preferably one year) of study at the institution which issued his I-20 form.

SPECIAL STUDENTS

Applicants may enter Johnson C. Smith University for the purpose of taking certain courses without becoming candidates for a degree. They will not be subject to the specific requirements for admission but must prove to their instructors the ability to pursue successfully the courses for which they have registered. Such students may later become candidates for a degree by meeting all entrance requirements. Special students will not participate in intercollegiate athletics or other student activities. They will be subject to the same rules and regulations as regular students.

READMISSION OF FORMER STUDENTS

A student who has withdrawn in good standing and who subsequently seeks readmission must apply in writing through the Registrar's Office. Re-entering students **MUST** receive notice of approval before returning to the college.

Finances

REGULAR FEES

The fees and charges listed herein are applicable to all students. In addition to regular fees and charges, a separate listing of special fees and charges is provided for those persons who may be affected. Travel, clothing, books and other personal expenses are not included. However, the cost of text books and supplies can be expected to average at least \$120.00 per year or \$60.00 per semester.

| Regular Session Fees: | Per Semester | Per Year |
|--|--------------|-------------|
| Tuition | \$ 623.00 | \$1,246.00 |
| Union Fee | 50.00 | 100.00 |
| Athletic Fee | 15.00 | 30.00 |
| Insurance and Health Fee | 10.00 | 20.00 |
| UNCF Fee | <u>2.00</u> | <u>4.00</u> |
| Total Fees: Boarding and Lodging Students | \$1,200.00 | \$2,400.00 |
| Part-Time Student Tuition and Fee Rates: | | |
| Per Semester Hour (fewer than 12 hours | \$ 50.00 | \$ 50.00 |

Total semester fees and charges are due and payable in full on or before registration of each semester. Any student who fails to complete the required full payment of fees and charges will be assessed an additional fee of \$24.00 per year for partially defraying the cost of handling an installment arrangement.

Payments must be mailed at least two weeks prior to due date or must be paid in person at the time of registration. Students are strongly urged to pay in advance to reduce the registration procedure time. Remittances of money for school expenses should be made by certified check or money order payable Johnson C. Smith University. Students should address payments to: Cashier's Office, Johnson C. Smith University, Charlotte, North Carolina 28216.

Any student desiring an installment arrangement should contact the Financial Aid Office for plans available. The Student Aid Office will also be able to furnish information regarding other loan plans available.

INCIDENTAL FEES

| | |
|--|---------|
| Admission Application Fee—New Students | \$10.00 |
|--|---------|

(no refund or credit on account)

| | |
|--|-------------|
| Room Reservation Deposit | 25.00 |
| Installment Fee, per year | 24.00 |
| Meal Card Replacement Fee | 5.00 |
| ID Card Replacement Fee | 5.00 |
| Graduation Fee | 15.00 |
| Student Teaching Fee | 30.00 |
| Music Private Lesson Fee, 1/2 credit hour | 15.00 |
| Music Instrument Use Fee, per semester | 10.00 |
| Ambulance or other medical or dental expense not covered by insurance | Actual cost |
| Infirmery Medical Treatment Charges (each visit after first) .. | 2.00 |
| Infirmery Room Charges (each day after third) | 6.00 |
| Transcript Fee (after first) | 2.00 |
| Late Registration Fee, per day (Max. \$15.00) | 5.00 |
| Dormitory Lost Key Fee | 1.00 |
| Late Examination Fees, per subject | 2.00 |
| Bad Check Charge (each time returned) | 3.00 |
| Excess Semester Hours, per hour | 50.00 |

AUDITING COURSES

Auditing of courses is open, without credit, to any person upon the payment of all regular applicable fees. Currently enrolled full-time students may audit courses without additional charges unless total hours exceed 18. An auditor is not required to participate in class discussions, prepare assignments, or take examinations.

REFUNDS

Refunds, upon official withdrawal of a student, will be made as follows:

1. Lodging: Number of full weeks remaining in term excluding Christmas and spring holidays, at the rate of \$11.00 per week from time of approved official withdrawal
2. Board: Refund computed at the rate of \$2.10 per day from date of official withdrawal and surrender of meal card to the Business Office
3. Tuition and General Fees:
 - 90 percent when withdrawal is within two weeks of registration date
 - 75 percent when withdrawal is within four weeks of registration date
 - 50 percent when withdrawal is within eight weeks of registration date
 - None when withdrawal is after eight weeks.

Note: Fees owed the University will be deducted from refunds.

SPECIAL NOTICES AND EXPLANATIONS

1. The University reserves the right to: increase or decrease all fees and charges and add or delete items of expense without advance notice as circumstances, in the judgment of the administration, may require.
2. The day of an official withdrawal of a student is the date affixed to the withdrawal form by the Vice President of Student Affairs.
3. Room and board rates are based on the average cost of operations for the entire school year. These rates include provision for services only during the scheduled operational days. Therefore, allowances have been made for the Christmas and spring holidays when these facilities are closed. Every student is strongly advised to be prepared to vacate the campus premises during these two vacation periods. The day of an official withdrawal of a student is the date affixed to the withdrawal form by the Vice President of Student Affairs.
4. The University is not responsible for theft or damage to students' personal property arising from any cause.
5. Students who, through malicious or negligent conduct, lose, damage, or abuse University property, will be subject to disciplinary action and will be required to pay, at replacement cost, for such loss or damage.
6. Personal spending money or allowances should be sent directly and made payable to the student in the form of money orders or certified checks. The University cannot cash personal checks for students.
7. Diploma and transcripts of records are withheld until the student has paid in full all fees and charges due the University. Moreover, a student in debt to the University in any amount will not be admitted to final examinations in any course, nor will he be permitted to register for any subsequent semester or term until his obligations are met. Any student whose account is in arrears by thirty days or more is subject to dismissal from school for nonpayment of fees.
8. Student teachers who are boarding students at the University will be granted credit on their accounts for meals missed during their absence from the campus provided the meal card is surrendered at the Business Office prior to their official leave. No credit will be allowed on room rent or other fees.
9. The student is responsible for his personal laundry and dry cleaning.
10. Cooking, or the use of electrical or mechanical cooking appliances in the University residence halls, is prohibited.
11. No student who is indebted to the University will be permitted to join a social fraternity or sorority.

Academic Program

REGISTRATION

Time: All students must register at the beginning of each semester whether they were in residence the preceding semester or not. Students are required to register in person at the University on the days designated for such purpose, between 8:15 a.m. and 5:15 p.m. New students and freshmen will be advised on courses and registration procedure during orientation sessions at the beginning of each semester. Dates specified for new students and freshmen to register are listed in the University Calendar. All students will report for registration as indicated in the University Calendar.*

Late Registration: Students may be allowed later registration upon the payment of a late fee of five dollars per day, but no student will be permitted to register later than the time specified in the calendar.*

Changes in Registration: If a student finds it necessary to make a change in his program of study after he has registered, the change must be made through the Registrar's Office on blanks provided for that purpose. For any such change the student must obtain the permission of the instructor, and the advisor. This procedure is followed to drop or add a course.

The adding of courses must be completed before the time for making changes expires.* A COURSE DROPPED WITHOUT PERMISSION IS CONSIDERED A FAILURE AND IS RECORDED AS SUCH.

NO REFUND FOR COURSES DROPPED AFTER TEN DAYS FROM DATE OF REGISTRATION.

* See Calendar.

Student Load and Excess Hours: The normal load for all students is 15-18 semester hours. In the summer session the normal load is 6 semester hours. Students wishing to take hours in excess of 18 semester hours will be charged for extra hours at the rate of \$50.00 per semester hour. The fee for extra hours may be paid on the installment plan for a given semester. (Special permission must be obtained from Vice President for Academic Affairs).

GRADES AND CREDIT

Symbols: The quality of a student's work in a course shall be reported to the Registrar by the following grades: **A, B, C, D, P, F**, and **I**. **A** denotes excellent scholarship; **B**, good; **C**, fair; **D**, poor. Work reported as the grade of **D** cannot be raised to a higher grade by examination. **F** indicates failure; a student receiving such a grade may repeat the course. **P** is the passing grade assigned to all courses for

which no credit is allowed. The grade **I** indicates that the work has not been completed and the student did not withdraw from it. If a student officially drops a course, he is given the mark of **W**.

Grade Points: Grade points are determined by multiplying the number of semester hours which a course yields by the grade point value of the grade. Grade points are computed as follows: **A**, 4 points for each semester hour of credit; **B**, 3; **C**, 2; **D**, 1; **P**, 0; **F**, 0.

Grade for Major Work: No grade below **C** will count for credit in the student's major or minor work. Nor will a student be permitted to enroll for Practice Teaching unless he earns a grade of **C** or better in the course he is to teach.

Course Examinations: All students are required to take the final examination. Exceptions to this rule are granted by the department head. NOT TAKING AN EXAMINATION DOES NOT GUARANTEE A GRADE OF **I**.

Incompletes: A student who, as a result of sickness or some other unavoidable cause, has not fully satisfied the requirements of a course may be given a mark of **I** if his classwork is such as to make it probable that he can earn a passing grade by completing the work. The incomplete may be removed while the student is not enrolled, but it **must** be removed within six weeks after the beginning of the next semester in which the student is enrolled. Any incomplete not made up by the end of the next semester in which the student is enrolled will be changed to an **F** on the student's permanent record. When the grade of **I** has been removed, the student must secure the necessary form from the registrar's office, take it to the Office of Financial Affairs, pay the necessary fee for removing incompletes, then submit the form to his instructor who will report the final grade to the registrar.

IF A STUDENT DOES NOT ENROLL WITHIN TWO YEARS AFTER RECEIVING THE **I** THE INCOMPLETE BECOMES A PERMANENT **I**.

Repeating Courses: No student will receive credit for the same course twice. If any course is repeated in which credit hours are earned, the student's permanent record will be adjusted by subtracting the hours of the lower grade from total hours earned. Credit hours will then be recorded for only the highest grade.

Withdrawal: Any student desiring to withdraw from the University during a semester must first secure forms from the Counselor's Office and get required signatures. The completed forms must be returned to the Counselor's Office. The Office of Financial Affairs will determine the amount of fees to be refunded. IF STUDENTS DO NOT COMPLY WITH THIS REGULATION, ALL GRADES ARE RECORDED AS **F**.

Transfer of Credit: Students may obtain credit by attending another college or university during the summer if the following conditions are met:

1. The proposed institution of study must be accredited by one of

the six Regional Accrediting Agencies of the U. S. and offer the corresponding work at Johnson C. Smith University.

2. Approval is to be secured from instructors, advisers, and heads of the departments at Johnson C. Smith. Application for approval must be submitted on the proper form obtainable from the registrar's office. When the form has been properly executed, it is returned to the registrar's office. Elective credits may be received for certain courses which do not correspond to any offered at Johnson C. Smith, provided approval is first received from the appropriate department head.
3. Approved courses in which the student receives a grade of C or better are transferable with the semester hours and grade points earned. CREDIT WITH GRADE BELOW C WILL NOT BE ACCEPTED. Where quarter hours are taken, they will be converted to semester hours at the rate of 3 semester hours to equal 5 quarter hours.
4. Normally, no more than 15 semester hours, EXCLUDING COURSE WORK THROUGH THE CONSORTIUM, may be transferred.

NOTE:

Work experiences, institute participants, and travel experiences for credit must be cleared and approved before a student takes part in such a venture.

Exceptions to the conditions listed above will only be made when approval results from a meeting of the Vice President for Academic Affairs, Academic Adviser, Registrar, and President, Ex Officio.

THE STUDENT IS RESPONSIBLE FOR SEEING THAT HE DOES NOT VIOLATE THE CONDITIONS LISTED ABOVE.

Grade Reports: At the end of each semester, grade reports are sent to parents or guardians. The Academic Office is given six-weeks reports to indicate failures in course work. Only semester grades are permanently recorded.

CLASSIFICATION OF STUDENTS

Students in the college are classified for the year at the beginning of the winter semester, according to records in the registrar's office. The basis for this classification is as follows:

SENIORS: Students who have credit, unconditionally, for at least 90 semester hours of work, and have earned at least 180 quality points.

JUNIORS: Students who have to their credit, unconditionally, at least 60 semester hours of work, and have earned at least 120 quality points.

SOPHOMORES: Students who have credit for at least 30 semester hours of work and have earned at least 60 quality points.

FRESHMEN: All other students, not registered as special, are ranked as Freshmen, without regard to date of admission.

SPECIALS: Students who have not been admitted to candidacy for a degree.

MAINTENANCE OF SCHOLARSHIP

Class Attendance: All students are expected to attend classes. Students taking 100 and 200 level courses will be required to attend class in those courses. Students on probation and on warning will be required to attend class in all their courses. These students will be allowed no more than twice as many absences as credit hours in the course. When a student has been absent for more than the allotted number of classes, he may either drop the course officially (W—no credit), or automatically receive a failing grade of **F** for the course. Exception may be made by written request for waiver by faculty member and approval by the Director of Freshman/Sophomore Studies.

Academic Status: A student is in good academic standing at Johnson C. Smith University when he has a minimum grade point average of 2.00 (that is, twice as many grade points as semester hours attempted). Every course for which a student has registered and from which he did not officially withdraw, is classified “attempted”. Semester hours attempted are adjusted to reflect only the last attempt for repeated courses.

When a student is not in good standing, he is either on “warning” or “probation” according to the number of hours attempted and the number of grade points earned. A student on “warning” may continue to work toward the improvement of his scholarship level. A student on “probation” has one semester to remove his probationary status. If a student does not remove his probationary status at the end of the semester in which he has been placed on probation, he will be automatically dismissed for poor scholarship.

Academic Warning, Probation and Suspension:

If a student earns less than a 2.00 average during any semester and has a satisfactory record previously, he will be given “academic warning,” probation or suspension according to table below.

| Semester Hours Attempted | Probation Deficient In Grade Points | Suspension Deficient in Grade Points |
|--------------------------------|---|--|
| 1 - 6 | 7 - 9 | 10 |
| 7 - 12 | 13 - 15 | 16 |
| 13 - 18 | 16 - 18 | 19 |
| 19 - 30 | 19 - 21 | 22 |
| 31 - 48 | 16 - 18 | 19 |
| 49 - 60 | 13 - 15 | 16 |
| 61 - 72 | 10 - 12 | 13 |
| 73 - 84 | 7 - 10 | 11 |
| 85 - 90 | 4 - 9 | 10 |
| 91 - | 1 - 9 | 10 |

A transfer student who enters Johnson C. Smith University with junior standing is assured retention for his first semester. If he is within the probationary range at the end of the first semester, he is eligible to continue for a second semester. He must clear probationary status by the end of the second semester to avoid dismissal.

Honors List

At the end of each semester an Honors List of students who have earned a grade point average of 3.00 or better is published. Only students who are registered for a minimum of 15 semester hours will be considered for the Honors List.

THE HONORS PROGRAM

Students

Students of exceptional academic ability who are seriously interested in utilizing their full learning potential are invited to participate in the Honors Program. Beginning in the first semester, the student in the Honors Program is afforded unusual opportunities to experience a wide variety of educational endeavors throughout the entire duration of college. Through special channels designed to encourage and facilitate high level academic achievement, the Honors Program student will work to develop a trained mind which can adapt to the changing world. Special assistance will be provided to enable Honors Program students to pursue further intellectual and career development after being graduated from Johnson C. Smith University.

The responsibility for the selection of students and for the general planning and supervision of the program lies with the Honors Program Committee, consisting of faculty and students. This committee was constituted in January 1973, and envisions a planning and development process extending over several years, during which various phases of the Honors Program will come into being in successive stages.

Purpose

The purpose of the Honors Program is to meet the actual needs of students of exceptional academic ability who accept the invitation to participate in the program. These needs are determined through a continual process of investigation, planning, and evaluation conducted by the Honors Program committee and staff, the Honors Program faculty, and the Honors Program students. The general structure of the program is determined by the Honors Program Committee. The specific modes of implementation are determined by the faculty and students working in the program.

Structure

Students are enrolled in two types of courses

- 1. Courses in which only Honors Program students are enrolled.

Honors Program 131-132 Freshman Honors Humanities Ten credit hours

An interdisciplinary, team-taught course involving the fields of history, literature, philosophy, religion. This course satisfies the general education requirements in English, history, philosophy, religion. Winter and spring.

Honors Program 231 Sophomore Honors Social Science Three credit hours

An interdisciplinary, team-taught course involving the social (behavioral) sciences. Content to be developed jointly by students, faculty and Honors Program Committee. Taken in the sophomore year after the successful completion of Freshman Honors Humanities, this course satisfies part of the general education requirements in the social sciences.

Honors Program 331 Junior Honors Seminar Three credit hours

The seminar taken by Honors Program students in their junior year. Content to be developed jointly by the Honors Program Committee and the students in the seminar.

Honors Program 431 Senior Honors Seminar Three credit hours

The seminar taken by Honors Program students in their senior year. Content to be developed jointly by the Honors Program Committee and the students in the seminar.

- 2. Courses in which both Honors Program students and other students are enrolled. Departmental Honors (additional title, if any, as well as number and credit hours to be determined by the department). Courses designed for the Honors Program students and other exceptional students. The initiative, design, and staffing rests with the department. Whenever Honors Program students are enrolled for Honors Program credit, the course is subject to approval by the Honors Program Committee.

In-course Honors (title, numbers, hours and credit given in the regular catalogue listing). Special work designed for one or more Honors Program students enrolled in a regular course. The initiative and design are shared by the student(s) and the instructor. The final design is subject to approval by the Honors Program Committee.

NEW DOORWAYS TO TEACHING AND LEARNING

New Doorways to Teaching and Learning is concerned with more effective teaching and learning at Johnson C. Smith University. The purpose is to aid the new student in obtaining mastery of the basic skills: reading with comprehension and understanding, writing with logic and clarity, communicating effectively, and handling mathematical concepts with accuracy.

By use of diagnostic tests, individualized instruction, classroom lectures, tutors, counselors, audio-visual aids, clinics, and small group sessions, the student progresses at his own pace through the general education requirements. At the end of the sophomore year, it is expected that the student will be able to function effectively in his area of specialization in the upper division of the University.

GENERAL EDUCATION PROGRAM

The main purpose of the General Education program is to enable each student to acquire a broad and substantial foundation in the major fields of knowledge. The program is designed to complement the program of specialized education by preparing students for responsible and imaginative living as well integrated members of the society.

Entering freshmen are required to take a series of examinations for placement and counseling purposes during Freshman Week. The achievement tests in Mathematics, Foreign Language, and English are for placement, and interest and psychological tests for use in counseling.

Students who, through testing, demonstrate proficiency in a subject matter area may be given advanced standing in that specific area. This, however, will not reduce the total number of hours required for graduation.

A student may begin his major in the freshman year.

Freshmen will not be permitted to take more than the normal load, 15-18 semester hours.

General Requirements for Graduation

| | Credit Hours |
|---|---|
| English Composition and Literature | 12 |
| English Composition (6 credit hours) | |
| World Literature (6 credit hours) | |
| Foreign Language - (131,132,231,232 - one language) (in all majors except Bus. Adm. & Economics, Physical Education, Intermediate Education, Early Childhood) | 12 |
| The Humanities and Fine Arts | 12 |
| Philosophy and/or Religion (6 credit hours) | |
| Fine Arts (6 credit hours) | |
| Art | |
| Music | |
| Drama | |
| Speech | |
| The Social Sciences | 12 |
| History | (distributed over at least three areas) |
| Economics | |
| Political Science | |
| Psychology | |
| Sociology | |
| The Natural Sciences and Mathematics | 13-14 |
| Mathematics (6-7 credit hours) | |

Biological and Physical Science (7-8 credit hours)

Biology

Chemistry

Earth Science

Physics

Physical Science

Physical Education

4

Personal Hygiene (2 credit hours)

Activity (2 credit hours)

Placement:

Physical Education - All students are required to satisfy requirements of the elementary course in swimming, Physical Education 110. Non-swimmers may register for Physical Education in lieu of one of the required activity courses Physical Education 114, 115, 116, 117, 118, or 119. Students capable of satisfying the requirements of Physical Education 110 may substitute one of the more advanced courses in swimming for one of the required activity courses, or they may elect to take the regular requirement of two semesters of physical education activity courses.

Mathematics - Students who do not perform satisfactorily on the mathematics placement tests are placed in a mathematics course that includes remediation.

Foreign Language - Students taking the test in French will be placed, according to their scores, in French 131, 132, or 231. It is recommended that students who are placed in French 231 - 232 take French 333 - 334 in order to have twelve hours of college French. Students taking the test in other foreign languages will follow the same procedure as those in French.

English - All entering freshmen and transfer students who have not completed at least six hours of credit in English composition must take the Master Pre-test in English and Communication Skills. Test scores from this placement test are used to determine the entry level of each student in the composition course, English 190. The student will then complete the number of minicourses required to receive appropriate credit for the general education requirement in English composition. (See course description for English 190 in Humanities Division.)

English Proficiency:

The university requirement of demonstrated English Proficiency must be met by achieving a grade of "C" or better in required English composition course 190.

Foreign Language Requirement:

Two years of foreign languages (12 hours in **one** language, distributed as 131, 132, 231, 232) are required of students majoring in all departments except as provided below:

1. Students majoring in mathematics and biology are required to take one full year of a foreign language or the equivalent.
2. Students majoring in economics and business administration, intermediate education, early childhood education, and physical education are not required to take a foreign language.

Exemption from Physical Education Activities:

Each student is required to participate in the college physical education program. To be exempted from physical education activities for medical reasons, the student must secure a permanent excuse from the college physician. This excuse must be placed on file in the Registrar's Office. **VETERANS ARE EXEMPTED FROM PHYSICAL EDUCATION ACTIVITIES.**

MAJOR PROGRAM

Students may concentrate in any one of four divisions and may major in the following subjects: Biology, Business Administration, Chemistry, Communication Arts, Economics, Early Childhood Education, Intermediate Education, English, History, Mathematics, Mathematics-Physics, Music Education, Music-Business Administration, Philosophy-Religion, Physical Education, Political Science, Psychology, Sociology, and Social Work.

Subjects are arranged under the following four divisions:

Division I. **The Humanities**—Communication Arts, English, French, Music, Philosophy, Religion, Spanish.

Division II. **The Social Sciences**—Business Administration and Economics, History, Political Science, Sociology, and Social Work.

Division III. **Education, Physical Education and Health, and Psychology**—Art, Education, (Early Childhood Education, Intermediate Education, and Secondary Education), Geography, Physical Education and Health, Psychology.

Division IV. **Mathematics and Sciences**—Biology, Chemistry, Mathematics, Physics.

Application for Major:

It is recommended that a student apply for a major not later than the end of the winter semester of the sophomore year. Thus department heads will have adequate time and opportunities to observe and advise the student while there is enough time to make necessary adjust-

ments in his program. This plan enables a student to find a major area that is most profitable for him. Duplicate forms for applying for the major may be obtained from the office of the registrar. When approved, the department head retains a copy of the application and submits the other to the registrar.

Degrees:

The College administers four years of work leading to the degree of Bachelor of Arts, Bachelor of Science, or Bachelor of Social Work.

Degrees with Honors

To be graduated **Cum Laude**—A student must have spent at least two years in residence at the College and have earned an average of 3.0 to 3.49.

To be graduated **Magna Cum Laude**—A student must have spent three years in residence at the College and have earned an average of 3.5 to 3.69, and must have no grade below “C”.

To be graduated **Summa Cum Laude**—A student must have spent at least three years in residence at the College and have earned an average of 3.7 to 4.0 and must have no grade below “C”.

Graduation:

General Requirements: Candidates for the bachelor’s degree must complete at least 120 hours,* earning a minimum over-all grade point average of 2.00, a minimum grade point average of 2.00 in a major area, and satisfy all requirements of the curricula in the General Education Program.

Seniors who fall short of completing requirements for graduation may enroll at other accredited colleges or universities to satisfy completion of requirements, if both the courses to be taken and the institution to be attended are first approved by the Vice President of Academic Affairs, Registrar, and President.

Catalog Requirement: Graduation will be governed by the catalog under which a student first enrolls in the institution if he graduates within a period of five years. Otherwise, graduation requirements will be governed by the catalog which is in effect at the time he re-enters the institution. This regulation will be subject to such additional conditions that may be established by decisions of the Educational Policy Committee, approved by the University administration.

Residence Requirements: A student must complete in residence at least 30 of the 120 semester hours required for the bachelor’s degree.

SUMMER SCHOOL

Admission:

The Johnson C. Smith University Summer School is open to all persons who are eligible in at least one of the following categories:

1. Persons desiring to take college courses for self-improvement
2. Students completing requirements for degrees at other colleges (Statements of approval from a designated official must be presented if credit is to be transferred.)
3. Students completing requirements for degrees at Johnson C. Smith
4. High School graduates intending to pursue a degree at Johnson C. Smith or another institution (These persons must apply for admission to the regular college program through the office of admissions at Johnson C. Smith or the college to which the credit will be transferred.)
5. In-service teachers who desire to up-grade, renew, or convert their certificates for Early Childhood Education (K-3), Intermediate (4-9), or Secondary Education
6. Veterans eligible under Public Law No. 91-219 of the Congress of the United States to take training in an approved Institution (Johnson C. Smith is certified by the Veterans' Administration to provide training.)

Applications for admission may be obtained by writing to the summer school director.

Fees:

TUITION for all students is \$180.00* for a normal load of six semester hours. An additional charge of \$30.00* per semester hour will be made for any hours that exceed the normal load. Students who wish to take more than the normal load of six semester hours must consult the Director of Summer School. The maximum course load for any student is nine semester hours.

The fee for ROOM AND BOARD is \$143.50*. This fee will cover room rent, three meals per day, bed linen, and two towels per week. No deposit is required. Students wishing room and board facilities should file an application with the Director of Student Life Programs.

All fees are due and payable on the day of registration. Fees are not refundable after the first week of each session. No exception to this regulation will be made for illness.

A late registration fee of \$2.00 will be charged after the first day of each session. NOTE: Late registration fees for veterans will not be paid by the Veterans' Administration. The veteran is personally responsible for late registration fee, payable in advance.

* Subject to change

Financial Aid:

National Direct Student Loans are available for summer study. For information, write to:

Office of Financial Aid
Johnson C. Smith University
Charlotte, N.C. 28216

Course Offerings and Faculty Selection:

Summer school courses are offered in most departments, depending upon demand. The summer school faculty is usually composed of members from the regular faculty. Faculty members are named to the summer school staff by department chairmen in consultation with the director of summer school. In some cases, because of their special expertise, faculty members from other institutions are invited to join the summer school faculty.



Course Descriptions

System of Course Numbers

The number of each course has three digits. The first digit indicates the classification level. The second digit indicates the number of credit hours and the third digit merely distinguishes the course from other courses in the classification and credit bracket of the department. Some courses have a middle digit of "8" or "9". The "8" indicates a two credit hour course and "9" a three credit hour course.

A course labeled **a** or **b** denotes that the same course is offered in both semesters, **a** for the winter semester, and **b** for the spring semester. A course labeled **A** or **B** denotes a continuation of the same course.

Hyphenated courses are regarded as year courses and must be taken in sequence. Courses marked with an asterisk (*) are required for teacher certification. Courses marked with (†) may be used as general education requirements.

HONORS PROGRAM

Courses in which only Honors Program students are enrolled:

HONORS PROGRAM 131-132 Freshman Honors Humanities Ten credit hours

An interdisciplinary, team-taught course involving the fields of history, literature, philosophy, religion. This course satisfies the general education requirements in English, history, philosophy, religion. Winter and spring.

HONORS PROGRAM 231 Sophomore Honors Social Science Three credit hours

An interdisciplinary, team-taught course involving the social (behavioral) sciences. Content to be developed jointly by students, faculty and Honors Program Committee. Taken in the sophomore year after the successful completion of Freshman Honors Humanities, this course satisfies part of the general education requirements in the social sciences.

HONORS PROGRAM 331 Junior Honors Seminar Three credit hours

The seminar taken by Honors Program students in their junior year. Content to be developed jointly by the Honors Program Committee and the students in the seminar.

HONORS PROGRAM 431 Senior Honors Seminar Three credit hours

The seminar taken by Honors Program students in their senior year. Content to be developed jointly by the Honors Program Committee and the students in the seminar.

DIVISION I THE HUMANITIES

The Division of Humanities includes four departments: English and Speech, Foreign Languages, Music, and Religious Education and Philosophy. Majors and minors are offered in all these departments.

Humanities

HUMANITIES 490 Senior Humanities Seminar

Three credit hours

An interdisciplinary seminar for majors in the Humanities and in other related fields. A dialogue course designed to provide the opportunity for students to select a topic to be studied from the various perspectives of the Humanities, by means of independent research, seminar discussion, team teaching, visiting lecturers. Prerequisite: senior standing and permission of staff. Spring semester.

DEPARTMENT OF ENGLISH

Objectives

The Department of English seeks to accomplish the following aims:

1. To develop in students an adequacy in the skills of effective writing, speaking, listening, and reading.
2. To emphasize the importance of a mastery of the tools of communication for achievement in all phases of living.
3. To acquaint students with many of the literary masterpieces of the world, together with principles of evaluating them.
4. To encourage students in the cultivation of a genuine appreciation for literature.
5. To provide specialized and intensive study in English and American literature and the English language for students who desire to pursue careers in the teaching of English or in letters.

The Major in English: Thirty semester hours in English above the Sophomore literature requirement. **Required courses:** English 333-334 or 335-336, English 339; three credits in the English Language; and one of the following: English 330 or English 430. Other courses should be elected to assure acceptable distribution over the entire field of English language and literature.

The Teaching Major: Twenty-four semester hours above Sophomore literature and the required courses in the Department of Education. Where feasible, the "teaching major" should secure at least fifteen credits in a Second Teaching Field.

Minor. Eighteen semester hours in English above the Sophomore literature requirement.

Majors and minors in English will not be given credit for courses in English in which they earn grades below "C".

Teacher Certification

Students who choose English as a first teaching field are required 1) to follow the curriculum prescribed for prospective teachers of English; 2) to maintain the 2.2 accumulative grade-point average required for admission to the teacher education program. No course grade earned in English may be lower than "C".

Language and Writing

ENGLISH 133-134 English for Foreign Students

Three credit hours

**ENGLISH 190A-190B Doorways to Composition Skills
(formerly English 160)**

Three credit hours

A study of composition consisting of eight minicourses ranging in content from basic skills of speaking, listening, reading, and writing to critical analysis of literature, the research paper, and the study of rhetoric.

Instruction for the individual student begins with his needs; he begins the course with a study of the minicourse appropriate for his needs, as indicated by his performance on the placement test. If his score reveals that he has acquired the competencies and the content of minicourses one, two, or three, he is given credit for such work and allowed to begin his study with the minicourse appropriate for his needs. After the completion of six minicourses or their equivalence, the student will exit from the course.

If the student averages a grade less than C on a minicourse, he is required to repeat the minicourse or any portion of it which he has not mastered. He will receive the grade of I for all incomplete work. Upon the satisfactory completion of such work, he will be assigned the grade of C, B, or A, in keeping with his performance.

For work that averages the grade of B or A for minicourses seven and eight, the student will receive honors credit.

The student who enters the course at the level of minicourse one, two, or three is required to enroll in a communication skills laboratory, complementing the course. No additional credit hours will be given for laboratory work.

Incomplete work, assigned the grade of I must be completed within a period to two years, after which time the student forfeits his credit for the course.

ENGLISH 233† Creative Writing

Three credit hours

Study of theory and techniques of the short story, the essay, the novel, and poetry. Individual experimentation in the various genres. Enrollment with prior consent of instructor.

ENGLISH 234 Advanced Composition

Three credit hours

Use of literature as a basis for writing themes and developing oral and written communication skills. Emphasis on specialized kinds of writing. Rapid review of the business letter and English fundamentals. Mastery of the techniques of research, using the *MLA Style Sheet* as a guide. Recommended for all students who wish to increase their proficiency in oral and written composition.

ENGLISH 491* The English Language

Three credit hours

A study of the principles of language study, with special attention to the historical and linguistic forces which have affected the development of the English language.

ENGLISH 493* Modern English Grammar

Three credit hours

Rapid review of traditional grammar and current usage problems, followed by a descriptive analysis of the structure of present-day English in the light of recent research in linguistics.

Literature

ENGLISH 231-232† World Literature

Three credit hours

An in-depth study of selected literary masterpieces primarily of western civilization, with some attention to major works of other cultures. The chronology of periods and literary movements will be observed wherever feasible; the two halves of the course must be taken in sequence.

- ENGLISH 235† Introduction to Fiction** **Three credit hours**
A brief historical survey of the development of short fiction in the Western world; illustration by means of representative stories, some of the major advances made in the techniques of short story and short novel composition by European and American writers during the past century and a half. (May substitute for English 232.)
- ENGLISH 330 Chaucer** **Three credit hours**
The “Canterbury Tales,” “Troilus and Criseyde”. Detailed study of these works with attention to Middle English and medieval culture; study of changing critical approaches to Chaucer.
- ENGLISH 333-334 English Literature** **Three credit hours**
A survey of English literature from Beowulf to selected works of the present time. Offered in alternate years.
- ENGLISH 335-336 American Literature** **Three credit hours**
A survey of American literature from selected works of the Colonial period to selected works of the present time. Offered in alternate years.
- ENGLISH 337 The Modern Novel** **Three credit hours**
A study of representative novels of the twentieth century.
- ENGLISH 338 Literature and Media for Adolescents** **Three credit hours**
A study of literature for adolescents and media production. Open for students of Intermediate and Secondary Education, and for In-service teachers. (Same as Communications 338)
- ENGLISH 339 Shakespeare** **Three credit hours**
A study of at least fifteen of the plays (eight in detail). (Same as Drama 339).
- ENGLISH 395 Honors Seminar** **Three credit hours**
A seminar for majors who are pursuing Department Honors in English. The course, thematically organized, provides an opportunity for students to study a selected topic by means of independent research and seminar discussions.
- ENGLISH 430 Milton** **Three credit hours**
Selected prose and all of the English poems.
- ENGLISH 431 English Literature of the Restoration and the Eighteenth Century** **Three credit hours**
A study of English Literature from the Restoration to 1798.
- ENGLISH 433 Modern Drama** **Three credit hours**
Extensive reading and study in the works of representative, modern European and American dramatists with attention to purpose, theme and techniques. (Same as Drama 433).
- ENGLISH 435 Studies in Romantic Literature** **Three credit hours**
A detailed study of the Romantic Movement, including the major English poets—Blake, Wordsworth, Coleridge, Byron, Shelley, Keats—and a broad understanding of the significant prose of the period.
- ENGLISH 436 Studies in Victorian Literature** **Three credit hours**
A study of the major post-Romantic poets, but subject matter may vary from year to year.
- ENGLISH 437 Contemporary Literature** **Three credit hours**
Study of outstanding figures of British and American literature from 1914 to the present. Choice of authors and subjects may vary from year to year.
- ENGLISH 438† Black Literature in Modern America** **Three credit hours**
A study of key writers associated with Black Nationalism and the Black Arts Movement. Subject matter may vary from year to year.

- ENGLISH 439 Principles of Literary Criticism** **Three credit hours**
Review of the history of Western criticism; study of developments in literary theory; guided experiences with practical criticism.
- ENGLISH 490 Senior Seminar** **Three credit hours**
See Humanities 490, Senior Humanities Seminar.
- ENGLISH 494 Afro-American Literature: 1920 to the present.** **Three credit hours**
A study of the literature of the period and its historical, cultural, and aesthetic perspectives. Open to in-service teachers, juniors, and seniors.
- ENGLISH 495 Honors Seminar** **Three credit hours**
A seminar for senior majors who are pursuing Department honors in English. Advanced research and discussion of selected topics in literature and related areas. Open to juniors upon recommendation of adviser.
- ENGLISH 499 Independent Study** **One to six credit hours**

The Teaching of English

- ENGLISH 429 The Teaching of English** **Two credit hours**
A study of philosophy, materials, and techniques used in teaching language, literature, and composition in grades 7-12.

COMMUNICATION ARTS

The major in Communication Arts: Twenty-four hours elected from the areas of communications, journalism, speech, and drama, plus the following required courses—Speech 131-132 (can be used to fulfill general education requirements); Journalism 231 (may substitute for English 231); Drama 232 (may substitute for English 232); Communications 430.

A minor of Communication Arts consists of eighteen hours from the areas of speech, drama, journalism, and communications selected by the student under the guidance of major and minor advisors. Speech 131 and 132 are required. Courses taken to complete the minor exclude those hours taken to fulfill general education requirements in the Division of Humanities.

Speech

Speech 131, 132 and 330 may be used to satisfy general education requirement.

- SPEECH 131-132 Fundamentals of Speech** **Three credit hours**
First semester, consideration of the nature of oral communication, training in articulation, pronunciation and vocabulary. Second semester, more intensive training in organization ideas and instruction in the principles of preparing and presenting effective public messages, with emphasis on types of speeches. Required of Communication Arts majors.
- SPEECH 230 Fundamentals of Oral Interpretation** **Three credit hours**
Emphasis on understanding literature through study of meaning, mood, imagery, and theme. Analysis and development of techniques in presentation.

- SPEECH 232 Theory and Practice of Persuasion** **Three credit hours**
 Consideration of principles, processes, and methods of persuasion with practice in the preparation and delivery of various types of persuasive speeches; includes critical and creative problems in both oral and written forms.
- SPEECH 330 Speaking in the Professions** **Three credit hours**
 Practice in preparing and presenting various types of speeches expected of professional people; planning and conducting public discussions; practice in parliamentary procedure.
- SPEECH 331 Rhetoric of the Black Revolution** **Three credit hours**
 An examination of public discourse as it affects and reflects the process of dynamic social change. Historical and contemporary instances of rhetorical processes are considered.
- SPEECH 332 Propaganda** **Three credit hours**
 Examination of the theories and an analysis of the techniques of propaganda.
- SPEECH 430 Psychology of Speech** **Three credit hours**
 The psychological principles involved in oral communication and how they apply to individual and group special problems. (Same as Psychology 430).
- SPEECH 431 Speech Seminar** **Three credit hours**
 Open to seniors majoring in Communication Arts. Topic to be announced.

Drama

Drama 232 and 233 may be used to satisfy general education education requirements in the Fine Arts.

- DRAMA 232 Introduction to Drama and The Film** **Three credit hours**
 A comprehensive survey of history and theory of the theatre from classical to modern times. Examination of the film as art. Required of Communication Arts majors.
- DRAMA 233 Principles of Theatre Arts** **Three credit hours**
 A survey of theatre arts designed for developing critical skills in reading plays with relationship to the development of the traditional elements of drama, including fundamental principles of acting with special emphasis on Black dramatists.
- DRAMA 333-334 Drama Workshop** **Three credit hours**
 A practical course in the staging of plays with attention given to acting, lighting, costuming, make-up, scene design, and other aspects of the art. Lecture and workshop; open to all students interested in dramatics. Though the course may be taken for as many semesters as the student desires, credit will be given only for two semesters' work.
- DRAMA 339 Shakespeare** **Three credit hours**
 A study of at least fifteen of the plays (eight in detail). (Same as English 339).
- DRAMA 430 Drama Apprenticeship** **Three credit hours**
 Open only to seniors majoring in Communication Arts. Practical experience in professional drama.
- DRAMA 433 Modern Drama** **Three credit hours**
 Extensive reading and study in the works of representative, modern European and American dramatists with attention to purpose, theme and techniques. (Same as English 433.)

Communications

COMMUNICATIONS 231 Introduction to Radio **Three credit hours**
History of radio. Writing, producing, directing, and announcing various types of radio programs.

COMMUNICATIONS 232 Introduction to Radio II **Three credit hours**
News analysis; news interviews, writing and announcing, "remote broadcasts", sporting events, the discussion program. Prerequisite: Communication 231.

COMMUNICATIONS 234 Scriptwriting **Three credit hours**
Instruction and practice in writing for the media.

COMMUNICATIONS 291 Introduction to Television I **Three credit hours**
Techniques of television. Producing, directing, writing, and announcing commercials, news, documentaries.

COMMUNICATIONS 292 Introduction to Television II **Three credit hours**
Techniques of television. Producing, directing, writing, announcing news, documentaries, interviews, dramas. Prerequisite: Communications 291.

COMMUNICATIONS 330 Creative Expression in the Media **Three credit hours**
Exploration of the various art forms as modes of creative expression.

COMMUNICATIONS 331 Filmmaking **Three credit hours**
Practice in selection of subject matter, camera techniques, and editing for the short film.

COMMUNICATIONS 332 Film Criticism **Three credit hours**
Study of the film as an art form. Viewing and criticism of short and longer subjects. Emphasis on contemporary film.

COMMUNICATIONS 333 Photography **Three credit hours**
Camera and darkroom techniques.

COMMUNICATIONS 338 Literature and Media for Adolescents **Three credit hours**
A study of literature for adolescents and media production. Open for students of intermediate and secondary education, and for in-service teachers. (Same as English 338).

COMMUNICATIONS 430 Seminar in Mass Media **Three credit hours**
Required of senior majors in Communication Arts.

COMMUNICATIONS 433-434 Media Apprenticeship **Three credit hours**
Open only to seniors majoring in Communication Arts. Practical experience in the professional media.

Journalism

JOURNALISM 231 Introduction to Journalism and The Mass Media **Three credit hours**
Emphasis on the function of the journalist in a democracy. An investigation of contemporary newspapers and other communications media including radio and television. Required of Communication Arts majors.

JOURNALISM 232 News Writing **Three credit hours**
Basic techniques of writing the news story.

JOURNALISM 233 Feature Writing **Three credit hours**
An introduction to the fundamentals of feature writing and the examination of newspaper and periodical features.

JOURNALISM 234 Magazine and Newspaper Production Three credit hours

Techniques of newspaper and magazine composition and advertising graphics.

JOURNALISM 330 The Afro-American Press Three credit hours

A comprehensive history of the Afro-American Press and an examination of Black newspapers.

JOURNALISM 331-332 Reporting Three credit hours

Development of sound news judgment. Practice in various methods of searching the news and techniques of reporting it. Journalism 232 is a prerequisite for 331; Journalism 331 is required for 332.

JOURNALISM 334 Photojournalism Three credit hours

Techniques of reporting news stories through the medium of the still camera. Prerequisite: Communications 333.

JOURNALISM 433-434 Journalism Workshop Three credit hours

Practical application of techniques of journalism to the operation and production of the student newspaper.

ENGLISH HONORS PROGRAM

The purpose of the English Honors Program is to provide an environment in which academically gifted English majors can utilize their full learning potential. The program is designed to stimulate Honors English majors to think and work independently. Students will also be encouraged to pursue further intellectual and career developments after graduating from Johnson C. Smith.

The English Honors Program adds another dimension to the University's Honors Program. It enables honors students with an interest in English to continue Honors work begun in their freshman and sophomore years. It also gives English students, not in the Honors Program, an opportunity to develop their full potentiality in their area of special interest.

Requirements for admittance into the program

In order to qualify for the English Honors Program prospective English majors must have a B or better in their freshman and sophomore English courses. Students with a 2.75 average in freshman and sophomore work may be considered for the program if they exhibit potential and seem highly motivated. Such students must have letters of recommendation from at least two of their English professors. It will be left to the discretion of the English Honors Committee whether or not students with a 2.75 average be admitted into the program.

Each student who is interested in the program is required to meet with the English Honors Committee to have the program fully explained, and to discuss with the committee his or her reasons for wanting to participate in the Honors Program.

The English Honors Program consists of two kinds of Honors courses:

1. **In-Course Honors**, consisting of both English honor students and regular students.

Requirements: at least twelve credits of in-course honors work. Students may choose the courses in which they wish to do honors work, provided the professor teaching the course agrees.

In-course honors work will consist of:

- A. More extensive independent research
- B. Class reports in which the findings of the independent research will be presented to the class as a whole
- C. More extensive and in-depth term projects

Not only will In-Course Honors give the student an opportunity to do more independent research, but it will also give him practical experience in the classroom. Moreover, the other students will benefit from the work of the honors student.

2. **Honors seminars**, consisting of English honors students exclusively

Requirements: Two Honors Seminars, one in the first semester of the junior year, and another in the first semester of the senior year.

The seminars will be taught on a rotating basis so that students will be exposed to various members of the English faculty. In some cases, more than one professor might be involved in teaching the Honors Seminar. The topics of the seminars will vary from year to year, depending upon the career goals of the honors students.

DEPARTMENT OF FOREIGN LANGUAGES

The Foreign Language Department is committed to assist in providing an environment in which Johnson C. Smith University students may realize their individual potential as stated in the official purpose of the University. The department seeks to contribute to the student's intellectual, spiritual, social, and emotional growth by developing the communicative skills of speaking, reading, and writing a foreign language, and by developing a knowledge and understanding of a foreign culture.

Minors are offered in French and in Spanish. In addition to the objectives previously stated, students who minor in French or Spanish develop the ability to compare and contrast cultures objectively and acquire a knowledge of the civilization and literature of the target language.

Students who have studied two or more years of a foreign language in high school are required to take a placement examination in the language studied. According to their scores, students are placed in 232, 231, 132, or 131. Students who have not previously studied French or Spanish may enroll in either Elementary French 131 or Elementary Spanish 131.

FRENCH

A minor in French shall consist of fifteen semester hours beyond French 232, a total of twenty-seven semester hours or the equivalent.

FRENCH 131 Elementary French **Three credit hours**
An introductory course in the audio-lingual skills of listening, speaking, reading and writing.

FRENCH 132 Elementary French **Three credit hours**
Further emphasis on the audio-lingual skills. Prerequisite: French 131.

FRENCH 231 Intermediate French **Three credit hours**
Continued stress on reading and writing skills. Newspaper and magazine articles are used as supplementary material.
Prerequisite: French 132.

FRENCH 232 Intermediate French **Three credit hours**
Reading of selected literary works. Special study of grammatical structure.
Prerequisite: French 231.

FRENCH 331 French Civilization **Three credit hours**
A series of mini-courses, conducted in French history, geography, art, music, architecture, film, theater, French-African literature, French for business and international affairs, and conversation.
Prerequisite: French 232.

FRENCH 332 French Civilization **Three credit hours**
A continuation of French 331.

FRENCH 333 Advanced Studies in French Conversation, Grammar and Composition **Three credit hours**
Instruction in French.
Prerequisite: French 232.

FRENCH 334 French Phonetics **Three credit hours**
An intensive study in phonetics. Practical application of phonetics to modern standard French. Extensive oral exercises.

FRENCH 420 Materials and Methods of Teaching High School French **Two credit hours**
Offered as a six-week block course during spring semester.

FRENCH 430 French Linguistics **Three credit hours**
A study of the phonology, morphology, and syntax of the French language.

FRENCH 431 French Literature from the Origins through the Renaissance **Three credit hours**
A study of the Literature of France in its beginnings and development through the Middle Ages and the Renaissance. This course is conducted in French.

FRENCH 432 French Literature of the 17th Century **Three credit hours**
A study of the masterpieces of the 17th Century. The works of Corneille, Racine, Moliere, and La Fontaine. This course is conducted in French.

FRENCH 433 French Literature of the 18th Century **Three credit hours**
A study of the significant writers and literary trends of the eighteenth century. This course is conducted in French.

FRENCH 434 French Literature of the 19th Century **Three credit hours**
A study of the significant writers and literary trends of the nineteenth century. This course is conducted in French.

FRENCH 435 French Literature of the 20th Century**Three credit hours**

A study of the principal literary trends and significant writers since 1900. This course is conducted in French.

SPANISH

A minor in Spanish shall consist of fifteen hours beyond Spanish 232 or a total of twenty-seven semester hours.

SPANISH 131 Elementary Spanish**Three credit hours**

Designed to develop the skills necessary for oral and written expressions.

SPANISH 132 Elementary Spanish**Three credit hours**

Continued practice in the skills of oral and written expressions. Prerequisite: Spanish 131.

SPANISH 231 Intermediate Spanish**Three credit hours**

Further practice in conversation and composition. Analysis of the basic grammatical principles. Prerequisite: Spanish 132.

SPANISH 232 Intermediate Spanish**Three credit hours**

Continued emphasis on spoken and written Spanish. Prerequisite: Spanish 231.

SPANISH 331 Advanced Spanish Grammar, Composition and Conversation**Three credit hours**

Selected readings in Spanish and Latin-American Literature. For students who want intensive oral and written work in Spanish. Prerequisite: Spanish 232.

SPANISH 332 Advanced Spanish Grammar, Composition and Conversation**Three credit hours**

Selected readings in Spanish and Latin-American Literature. For students who want intensive oral and written work in Spanish. Prerequisite: Spanish 331.

SPANISH 333 Survey of Spanish and Spanish-American Literature to 1700**Three credit hours**

Lectures, readings, discussions, and reports conducted in Spanish.

SPANISH 334 Survey of Spanish and Spanish-American Literature since 1700**Three credit hours**

Lectures, readings, discussions, and reports conducted in Spanish. Prerequisite: Spanish 333.

SPANISH 431 The Golden Age of Spanish Literature—the most important works**Three credit hours**

Lectures, readings, discussions, and reports. In this course are studied the masterpieces of the Golden Age. Conducted in Spanish. Prerequisite: Spanish 332.

DEPARTMENT OF MUSIC

Students planning to enter either the music education program or the music-business administration program should begin in the freshman year.

Each music major must pass a piano proficiency examination and is required to present a recital in his major instrument during his senior year.

All music majors and minors are required to attend concerts and

recitals presented by the department and to participate in ensemble work during the four years he attends the University.

Music Education Major

The Bachelor of Arts degree with a major in music education is designed for students who wish to be certified in public school music. The music education program prepares the student for the North Carolina A certificate for elementary and high school teaching.

The student may select from two areas of preparation in music education, the general program (piano and voice emphasis) and the instrumental program. Either program requires a minimum of fifty-one semester hours credit for graduation. A summary of the required courses is as follows: theory, sixteen semester hours; music appreciation, history and literature, nine semester hours, conducting, two semester hours, music education, six semester hours and eighteen semester hours of applied music as outlined by the department.

A minor in music consists of twenty semester hours, including eight semester hours of theory, six semester hours of music appreciation or history and literature and six semester hours of approved electives.

All music education majors who wish to qualify for the North Carolina A certificate must complete the professional and certification courses as outlined by the Department of Education, including, Education 463, Student Teaching in the Secondary Schools.

Music-Business Administration Major

The Bachelor of Arts degree with a major in music and a concentration in business administration is designed for students who wish to pursue a career in music and business, encompassing management, sales and other business facets of music production. This course of study will present to the student the fundamentals of music theory and practice, applied music and music history and literature. Applied music courses will stress technique, repertoire, and sources of materials of all instruments.

The program requires a minimum of fifty semester hours credit for graduation. A summary of the required courses is as follows: economics, six semester hours; accounting, six semester hours; principles of marketing, three semester hours; salesmanship, three semester hours; retailing, three semester hours; internship or project (currently listed as Economics 461), six semester hours; music theory, six semester hours and ensemble, four semester hours credit.

MUSIC THEORY

MUSIC 131-132 The Fundamentals of Music

Three credit hours

An introductory course in music, including fundamentals of music notation and terminology, use of keyboard, rhythmic activity, aural and written theory. Three class hours and one one-hour laboratory period weekly.

MUSIC 223-224 Written Theory (Harmony) Three credit hours

First semester: Study of chord formations, simple modulations, suspensions, secondary seventh chords, the dominant ninth and its inversions. Second semester: The study of figured basses chromatic alterations, modulations by means of altered chords, song forms and original work. Two class hours and one one-hour laboratory period a week.

MUSIC 225-226 Aural Theory (Sight-Singing and Ear-Training) Two credit hours

Systematic training in the fundamentals of sight-singing and ear-training. Two class hours and one one-hour laboratory period a week.

MUSIC 322 Conducting Two credit hours

A study of the technique of conducting instrumental and vocal groups.

MUSIC 323 Orchestration Two credit hours

A study of instruments of the orchestra together with the practical study of the art of symphonic scoring.

MUSIC 425 Form and Analysis Two credit hours

A study of the small part-forms through the larger part-forms.

MUSIC 426 Counterpoint Two credit hours

An intensive survey of tonal counterpoint.

APPLIED MUSIC**Piano****MUSIC 113-114 Piano (Individual) One credit hour**

Instruction to meet the needs of students at various stages of proficiency. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 213-214 Piano (Individual) One credit hour

Additional technique and repertoire materials. One half-hour lesson per week. Two or three hours of practice daily.

MUSIC 313-314 Piano (Individual) One credit hour

Continuation of advanced technique and literature. One half-hour lesson per week. Two or three hours practice daily.

MUSIC 413-414 Piano (Individual) One credit hour

Continuation of advanced technique and literature. One half-hour lesson per week. Two or three hours of practice daily. Senior recital.

MUSIC 423-424 Piano (Individual) Two credit hours

Two half-hour lessons per week.

Organ**MUSIC 117-118 Organ (Individual) One credit hour**

Students must demonstrate ability to play the piano fluently, have a working knowledge of scales, triads, arpeggios; sight read accurately. Principles of organ touch and technique. Preparatory manual and pedal studies. Selected pieces from standard organ repertoire. One half-hour lesson per week.

MUSIC 217-218 Organ (Individual) One credit hour

Advanced pedal and manual studies continued. Simple modulations at the organ; transpositions, improvisations. Repertoire building continued. One half-hour lesson per week.

MUSIC 417-418 Organ (Individual) One credit hour

Continuation of previous course. Senior recital. One half-hour lesson per week.

MUSIC 427-428 Organ (Individual) **Two credit hours**
Two half-hour lessons per week.

Voice

MUSIC 115-116 Voice **One credit hour**
Study and principles of voice production, examination and evaluation of solo materials, classification of voices. This course is the prerequisite for advanced courses in voice. Two class hours per week.

MUSIC 215-216 Voice (Individual) **One credit hour**
Continuation of Voice 115-116. One half-hour lesson per week. One to two hours practice daily.

MUSIC 315-316 Voice (Individual) **One credit hour**
Continuation of Voice 215-216. One half-hour lesson per week. One to two hours practice daily.

MUSIC 415-416 Voice (Individual) **One credit hour**
Continuation of Voice 315-316. One half-hour lesson per week. One to two hours practice daily. Senior recital.

MUSIC 425-426 Voice (Individual) **Two credit hours**
Two half-hour lessons per week.

ORCHESTRAL INSTRUMENTS

MUSIC 610-611 String Class **One credit hour**
For the beginner. Individual and ensemble playing of exercises, scales, arpeggios and easy compositions. Two class hours per week.

MUSIC 612-613 Strings (Individual)

MUSIC 614-615 Strings (Individual)

MUSIC 616-617 Strings (Individual)

MUSIC 618-619 Strings (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.

MUSIC 620-621 Strings (Individual) **Two credit hours**
A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.

MUSIC 710-711 Woodwind Class **One credit hour**
For the beginner. Individual and ensemble playing of exercises, scales, arpeggios and easy compositions. Two class hours per week.

MUSIC 712-713 Woodwind (Individual)

MUSIC 714-715 Woodwind (Individual)

MUSIC 716-717 Woodwind (Individual)

MUSIC 718-719 Woodwind (Individual) **One credit hour**
A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.

MUSIC 720-721 Woodwind (Individual) **Two credit hours**
A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.

MUSIC 810-811 Brass and Percussion Class **One credit hour**
 For the beginner. Individual and ensemble playing of exercises, scales, arpeggios, and easy compositions. Two class hours per week.

MUSIC 812-813 Brass and Percussion (Individual)

MUSIC 814-815 Brass and Percussion (Individual)

MUSIC 816-817 Brass and Percussion (Individual)

MUSIC 818-819 Brass and Percussion (Individual)
 A study of the technique and repertoire of the chosen instrument. One half-hour lesson per week.

MUSIC 820-821 Brass and Percussion (Individual) **Two credit hours**
 A study of the technique and repertoire of the chosen instrument. Two half-hour lessons per week.

MUSIC EDUCATION

MUSIC 231 Music Appreciation for the Elementary School Teacher **Three credit hours**
 Designed for the grade school teacher who is not a music specialist and covers methods, materials and activities in music appreciation.

MUSIC 339 The Teaching of Music in Elementary School **Three credit hours**
 Principles, objectives, material and procedures for meeting the needs of the music teacher in elementary schools.

MUSIC 432 The Teaching of Music in the Secondary School **Three credit hours**
 Principles, objectives, materials, and procedures for meeting the needs of the music teacher in secondary schools.

MUSIC APPRECIATION, HISTORY AND LITERATURE

MUSIC 131† Music Appreciation **Three credit hours**
 An introduction to the appreciation of music. Designed as a cultural course to acquaint students with the major factors involved in intelligent listening and the importance of the art as a whole.

MUSIC 337-338 Music History and Literature **Three credit hours**
 A general survey of the development of music from primitive sources to the present day.

MUSIC 329 African and Afro-American Music **Two credit hours**
 A general survey of music in African and Afro-American cultures.

MUSIC 429 Independent Study or Seminar **Two credit hours**
 Investigation of some aspect of music or music education. Prerequisite: permission of the department.

ENSEMBLES

MUSIC 1H1-1H2 Vocal Ensemble (University Choir) **One credit hour**
 This course presents choral music of the best type in performances of the highest possible standard. Members are chosen by examination. Appearances at various college and church functions throughout the year are required of those taking the course. Five laboratory hours per week. (Credit for additional years participation in the choir will be granted on the same basis.)

MUSIC 1H3-1H4 Instrumental Ensemble (University Band)**One credit hour**

This course presents instrumental music of the best type in performance of the highest possible standard. (Credit for additional years participation will be granted on the same basis.)

DEPARTMENT OF PHILOSOPHY AND RELIGION**PHILOSOPHY**

Purpose. In the philosophy courses, the Department tries to serve two purposes: first, to offer a major or minor area of emphasis for students who acquire a continuing interest in philosophy; second, to offer elective courses in various philosophical subjects for students in other disciplines who wish to broaden their intellectual perspectives. An asterisk (*) identifies those elective courses that are designed for all interested students, both the occasional student, as well as majors and minors in philosophy or religion. A double asterisk (**) identifies courses designed especially for students in mathematics and the sciences. Philosophy courses that also serve as General Education courses are indicated by (†) after the course number. (See 131, 233, 234).

A major in philosophy and religion will be discontinued beginning September, 1975. All students currently enrolled in these disciplines will be allowed to continue until they have fulfilled the requirements for the degree.

Major. A major in philosophy-religion consists of twenty-one hours in the department (exclusive of 100-level courses) and nine hours in a related field. The specific courses comprising these twenty-one departmental hours and nine related hours are determined by the following procedure: the student, in consultation with the advisor, prepares the selection of courses deemed most appropriate for the student's needs and interests; the student presents this suggested program for consideration at a departmental meeting; those courses approved by the department become the requirements for a philosophy-religion major for that student. Of the twenty-one hours within the department, a minimum of six hours must be in that area (philosophy or religion) not being emphasized by the student.

Minor. A minor in philosophy-religion consists of fifteen hours in the department (exclusive of 100-level courses). The specific courses comprising these fifteen hours are selected by the students and approved by the department in the same procedure given above for majors. Of the fifteen hours, a minimum of three hours must be in that area (philosophy or religion) not being emphasized by the student.

Courses. All philosophy courses carry three semester hours credit. Courses marked "Winter" and/or "Spring" are offered every year in the semester indicated.

PHILOSOPHY 131*† Introduction to Philosophy**Three credit hours**

A course introducing the student to the reading and doing of philosophy, with discussion of methods of philosophical inquiry and representative philosophical concepts. Winter and Spring Semesters.

PHILOSOPHY 231* Ancient Philosophy**Three credit hours**

How it all began: the history of philosophical thought in the Greco-Roman world, from the Ionians to the Roman Stoics. Prerequisite: 131. Winter and Spring Semesters.

PHILOSOPHY 233*† Practical Logic**Three credit hours**

A survey of the basic problems of clear and straight thinking with emphasis on their application to the use of language. Prerequisite: 131. Winter and Spring Semesters.

PHILOSOPHY 234*† Ethics**Three credit hours**

A study of basic methods and selected systems of ethical thinking, discussed in terms of their relevance to present-day moral issues facing both individuals and society. Prerequisite: 131. Winter and Spring Semesters.

PHILOSOPHY 239 Introduction to Formal Logic and Scientific Method****Three credit hours**

A presentation of significant aspects of symbolic and mathematical logic, along with general reference to traditional logic. Prerequisite: 131. Winter Semester.

PHILOSOPHY 331* Modern Philosophy**Three credit hours**

The history of philosophical thought from the Renaissance to the present time. Prerequisite: 231 or permission of the instructor. Spring Semester, alternate years.

PHILOSOPHY 333* Philosophy of Religion**Three credit hours**

A philosophical investigation of such topics as faith and reason, religious language, the nature and existence of God, the religious view of man. Prerequisite: permission of the instructor. Spring Semester, alternate years. Same as Religion 333.

PHILOSOPHY 334* Mysticism in the Western World**Three credit hours**

A study of the great mystics in the West, from pre-Christian Greece through the medieval Age of Faith to Protestant, Catholic, and contemporary non-religious mystics, including various debatable claims regarding "mystical" experience. Prerequisite: permission of the instructor. Spring Semester, alternate years.

PHILOSOPHY 336 Philosophy of Science****Three credit hours**

The general nature of scientific thought as indicated by the criteria of knowledge, methods and presuppositions of science. Prerequisite: 239 or permission of the instructor. Spring Semester, alternate years.

PHILOSOPHY 432 Seminar in Philosophy**Three credit hours**

Advanced research on selected philosophical topics. Prerequisite: permission of the instructor. Spring Semester.

PHILOSOPHY 490 Philosophy Seminar in the Humanities**Three credit hours**

Same as Humanities 490, Senior Humanities Seminar. See page 42.

RELIGION

Purpose. In the religion courses, the department tries to provide the opportunity for learning experiences in the following content areas: the Judeo-Christian Tradition, including Biblical Literature, Church History, Afro-American Perspectives; the African influence; other major religious traditions in the contemporary world; methods and procedures in Christian education and worship.

A major in philosophy and religion will be discontinued beginning September, 1975. All students currently enrolled in these disciplines will be allowed to continue until they have fulfilled the requirements for the degree.

Major. A major in religion consists of twenty-one hours in religion (exclusive of 100-level courses) and nine hours in a related field. The specific courses comprising these twenty-one religion hours and nine related hours are determined by the following procedure: the student, in consultation with the advisor(s), prepares the selection of courses deemed most appropriate for the student's needs and interests; the student presents this suggested program for consideration at a departmental meeting; those courses approved by the department become the requirements for a religion major for that student.

Minor. A minor in religion consists of fifteen hours in religion (exclusive of 100-level courses). The specific courses comprising these fifteen hours are selected by the student and approved by the department in the same procedure given above for majors.

Courses. All religion courses carry three credit hours, with the exceptions of 220, 221, and 222. Courses marked "Winter" and/or "Spring" are offered every year in the semester indicated. Courses marked "alternate years" are offered every other year. Religion courses that serve to meet General Education Requirements are indicated by (†) after the course number. (See 130 and 131.)

RELIGION 130† The Judeo-Christian Heritage **Three credit hours**
The essential insights and ideas of the Old and New Testaments and their continuing values for man today. Winter and Spring Semesters.

RELIGION 131† Survey of the Great Living Religions **Three credit hours**
A study of the living religions of the world, including the religions of Africa, in the light of their historical development, beliefs, practices, and contemporary importance. Winter and Spring Semesters.

RELIGION 220 Worship **Two credit hours**
A practical study of the objectives, methods, and materials for worship in the Christian Education Program of the local church. Spring Semester.

RELIGION 221 The Christian Education Program of the Church. **Two credit hours**
A thorough study of the organization and administration of an effective church program for adults, youth, and children. Winter Semester.

RELIGION 222 Field Experience **Two credit hours**
Supervised field work in churches or church-related programs. May be repeated once for credit. To be taken in conjunction with Religion 220 and 221.

RELIGION 230 Early Hebrew Religion (to 586 B.C.) **Three credit hours**
An introduction to the historic, poetic, wisdom, and prophetic literature of the Hebrew people up to the Exile. This literature is examined in its historical setting and for its value in the contemporary world. Winter semester, alternate years.

RELIGION 231 Later Hebrew Religion (586 B.C. to 70 A.D.) **Three credit hours**
A continuation of 230; the development of the Hebrew religion and people into Judaism up to the destruction of Jerusalem. Apocalyptic and extracanonical writings, as well as the ancient roots of anti-Semitism, are considered. Spring semester, alternate years.

- RELIGION 232 The Life and Teachings of Jesus** **Three credit hours**
A study of the life and teachings of Jesus as found in the four Gospels and their relation to current problems. Winter semester.
- RELIGION 233 The Pauline Tradition** **Three credit hours**
The particular form of Christian thought, experience, and living portrayed in the life and writings of Paul as recorded in the Book of Acts and in the Pauline letters. Spring semester, alternate years.
- RELIGION 234 The Later Books of the New Testament** **Three credit hours**
The particular forms of Christian thought, experience, and living portrayed in those writings which come from the later years of the New Testament Period. Spring semester, alternate years.
- RELIGION 235 The History of Christianity in Europe to the 17th Century** **Three credit hours**
The historical development of Christian thought and institutions in the Western world: the Early Church Fathers, the Medieval Churchmen, the Protestant Reformers, European Christianity on the eve of the migrations to America. Winter semester, alternate years.
- RELIGION 236 The History of Christianity in America** **Three credit hours**
A continuation of 235. Major aspects of Christian thought and institutions in the United States, from colonial days to the present, with special reference to the development of the Afro-American Churches. Spring semester, alternate years.
- RELIGION 330 The Black Man: His Religious Institutions and Thought** **Three credit hours**
A study of the Afro-American religious experience with attention to its African antecedents, its development in dependence upon and independence of Euro-American Christianity, and the emerging critique of religion's relevance to culture. Spring semester.
- RELIGION 331 Recent Developments in Religious Experience** **Three credit hours**
The relation of contemporary religious thought to the occult, witchcraft, astrology, communal living, ESP, the drug scene, and new modes of communication. Spring semester.
- RELIGION 333 The Philosophy of Religion** **Three credit hours**
A philosophical investigation of such topics as faith and reason, religious language, the nature and existence of God, the religious view of man. (Same as Philosophy 333.) Spring semester, alternate years.
- RELIGION 334 The Psychology of Religion** **Three credit hours**
A study of the psychological factors in religious experience and the dynamic patterns affecting religious adjustment and maladjustment, with special attention to the problems of sin, guilt, conversion, and religious beliefs. Prerequisite: Permission of the instructor. Winter semester, alternate years. (Same as Psychology 336).
- RELIGION 335 The Sociology of Religion** **Three credit hours**
A functional analysis of the interrelationships between society, culture, and religion; the role of the church and religion in the social order and social change. Spring Semester, alternate years.
- RELIGION 336 Religious Dimensions in Art** **Three credit hours**
New ways of finding sacred beauty in dance, jazz, film, words, painting, sculpture, and architecture. Spring Semester, alternate years.
- RELIGION 430 Seminar in Religion** **Three credit hours**
Advanced research on selected topics in religion. Spring Semester.

RELIGION 490 Religion Seminar in the Humanities

Three credit hours

Same as Senior Humanities Seminar. See page 47.

DIVISION II THE SOCIAL SCIENCES

The Division of the Social Sciences is composed of the following departments: Economics-Business Administration, History-Political Science, and Sociology-Social Work. The division offers majors in economics, business administration, history, political science, sociology, and social work. Students majoring in any of the above areas are required to complete at least one course in each of the three remaining major areas. A student may also complete work for a major in the social sciences as prescribed below.

The Social Science Major

The Social Science major, consisting of forty-two semester hours of course work, is designed basically to accommodate two categories of students: (1) those who are prospective social studies teachers and (2) those who are seeking a more general background in the social science area. Students electing a major in the social sciences are required to complete twenty-one semester hours of subject matter concentration and twenty-one semester hours of course work chosen from three or more of the other major areas in the social science division. It is recommended that prospective social studies teachers elect a concentration in history.

SOCIAL SCIENCE

SOCIAL SCIENCE 490 Social Science Seminar

Three credit hours

Aimed at helping students achieve a synthesis of social science knowledge, this course is conducted by selected members of the division faculty. Open to juniors and seniors; non-majors by permission of the staff. Students may receive credit in their chosen areas of concentration.

DEPARTMENT OF BUSINESS ADMINISTRATION AND ECONOMICS

- The Department of Business Administration and Economics has a four-fold purpose:
1. To guide students in understanding the operation of business and economic systems and to stress the interrelation among the various social sciences.
 2. To prepare students for entry level jobs in profit and non-profit-making organizations.
 3. To provide a broad background for majors who intend to pursue graduate studies in economics, business and other related fields.
 4. To develop leadership qualities in students that are necessary for making a constructive contribution to society through a chosen vocation.

BUSINESS ADMINISTRATION

The courses offered in the Business Administration Curriculum provides specialized concentration in four areas: (1) General Business, (2) Accounting, (3) Marketing, and (4) Music-Business Administration (See Department of Music). Each student is required to choose one area of concentration. The four fields have a number of basic courses in common and continue with those most suitable for the desired specialization.

GENERAL BUSINESS

Requirements: A major in general business consists of thirty-six semester hours in business, including Business 332, Accounting 235-236, Marketing 331, Economics 131-132, and Mathematics 136.

BUSINESS 121 Personal and Family Finance **Two credit hours**
To analyze financial decisions and judgments which the average individual and family make during a lifetime.

BUSINESS 331 Principles of Insurance **Three credit hours**
A study of the economic and social services as well as the techniques and underlying principles of insurance.

BUSINESS 332 Business Law **Three credit hours**
A course in the elements of business law.

BUSINESS 333 Principles of Management **Three credit hours**
The principles and techniques underlying the successful organization and management of business activities. Attention is given to planning, staffing, directing and controlling industrial enterprise.

BUSINESS 334 Personnel Management **Three credit hours**
A study of the basic principles of management: employment procedures, testing, training, remuneration plans, handling of grievances, promotion, and transfer of personnel records.

BUSINESS 431 Corporate Finance **Three credit hours**
A study of theories, procedures, institutions, instruments, problems, and policies that are involved in the acquisition and use of money by small and large business corporations.

BUSINESS 432 Production Control **Three credit hours**
Development of ability to analyze and solve production problems and formulate production policies. Introduction to quantitative techniques in production management.

BUSINESS 433 Fundamentals of Real Estate **Three credit hours**
Analyze the nature of transactions involved in the acquisition and use of real estate, and the nature of real estate markets. Deals with real estate problems from the standpoint of business administrators, brokers, and property owners.

ECONOMICS

Major in Economics: Thirty semester hours in economics with grades of C or better. The thirty hours must include Economics 131-132, 133-134, 335, 336, 431, Mathematics 136, and Accounting 235.

- ECONOMICS 131-132 Principles of Economics** **Three credit hours**
An introductory course in principles and theories of economics. Prerequisite for all economics courses except 231 and 333. (Non-majors take 131.)
- ECONOMICS 133-134 Mathematical Foundation of Business and Economics** **Three credit hours**
Mathematical techniques applicable to economics and business. Required of all students majoring or minoring in the department of business administration and economics.
- ECONOMICS 231 Black Economic Problems** **Three credit hours**
The functioning of the American economy as viewed by black people.
- ECONOMICS 331 Money and Banking** **Three credit hours**
Credit instruments, problems of prices and institutional practices. Special emphasis on practical banking operations.
- ECONOMICS 332 Urban and Regional Economics** **Three credit hours**
Designed to analyze and understand the various theories of regional and urban development.
- ECONOMICS 333 Economic Development of the United States** **Three credit hours**
Economic history of the United States during the twentieth century.
- ECONOMICS 334 International Economics and Social Problems** **Three credit hours**
A comprehensive view of the international field of exchange, production and distribution.
- ECONOMICS 335 Microeconomic Theory** **Three credit hours**
Value and distribution theory, including the theory of consumer behavior and the theory of the firm.
- ECONOMICS 336 Macroeconomic Theory** **Three credit hours**
Analysis of the level of national income, employment, and the price level.
- ECONOMICS 431 Industrial Organization and Regulation of Business** **Three credit hours**
Market structures and problems of public policy created by the attempt at their control and regulation.
- ECONOMICS 432 Introduction to Econometrics** **Three credit hours**
The application of statistics and mathematics to economic problems. The formulation of economic models, their measurement and verification.
- ECONOMICS 433 Economic Development** **Three credit hours**
Economics of underdeveloped countries. Major concentration on African countries.
- ECONOMICS 434 Development of Economic Thought** **Three credit hours**
Development of economic doctrines from earliest thinkers to the present day contributions to economic thought.
- ECONOMICS 461 Internship or Project** **Six credit hours**
Special in-service jobs or research

ACCOUNTING

Requirements: A major in Business Administration with a concentration in Accounting requires completion of 27 semester hours of Accounting and Economics 131-132 and Mathematics 136.

- ACCOUNTING 231 Techniques of Digital Computing I**
See Department of Mathematics

ACCOUNTING 235-236 Principles of Accounting **Three credit hours**
The fundamental element of accounting. Prerequisite for all courses in Accounting.

ACCOUNTING 335-336 Intermediate Accounting **Three credit hours**
A study of higher and more technical principles of accounting.

ACCOUNTING 337-338 Cost Accounting **Three credit hours**
The study of basic cost accounting principles, practices and procedures with special applications to job order costing, process cost accounting, managerial profit planning and budgeting.

ACCOUNTING 435-436 Advanced Accounting **Three credit hours**
A laboratory course in the procedures of consolidating balance sheet and income statements; accounting for mergers and conglomerates. The impact of regulatory agency laws will be discussed. Two semester course.

ACCOUNTING 437 Federal Income Taxes **Three credit hours**
A course in the fundamentals of federal income tax relating to individuals, partnerships, and corporations, including the effect of tax laws upon business decisions.

ACCOUNTING 438 Auditing **Three credit hours**
This is a study of the purposes and scope of audits and examinations; auditing standards; procedures to the various types of audits and special investigations; and form and scope of report presentation. The theory and practice work includes an integrated case study which involves the preparation of the working papers and the report for a complete audit which is completed during the semester.

MARKETING

Requirements: A major in Business Administration with a concentration in marketing consists of 30 semester hours in business, including Marketing 331, Economics 131-132, Accounting 235-236, and Mathematics 136.

MARKETING 331 Principles of Marketing **Three credit hours**
This course is designed to show the characteristics, history, and functions relating to marketing and the principles involved in mass salesmanship. Requisite for all courses in Marketing except 332, 333 and 334.

MARKETING 332 Advertising **Three credit hours**
This course is intended to provide an understanding of advertising: its functions in our way of life and its role in business.

MARKETING 333 Salesmanship and Sales Management **Three credit hours**
A study covering both the theoretical principles and practical application of modern selling with an analysis of the managerial functions.

MARKETING 334 Principles of Retailing **Three credit hours**
An introduction to the structure of retailing and problems associated with the management of retail stores of various types.

MARKETING 431 Marketing Research **Three credit hours**
The nature of marketing problems, problem definition and formulation of hypotheses, theories of measurement, experimented design and survey techniques applied to marketing problems.

MARKETING 432 Managerial Marketing **Three credit hours**
An analysis of the nature and work of the manager of marketing who organizes, directs, and controls the various functional specialties of marketing.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

HISTORY

For a major in history the student is required to complete thirty semester hours of course work. For a minor the student is required to complete eighteen semester hours of course work. History 131, 132, 135 and 136 are required of all majors and minors. History 333 is required of all majors and recommended for minors. Introductory courses in economics, political science, and sociology must also be completed for the history major.

HISTORY 131† World Civilization I Three credit hours

A study of the world's major civilizations from the Stone Age to 1500, the strengths and weakness of those societies, parallel developments and cultural interaction.

HISTORY 132† World Civilization II Three credit hours

Primarily a study of the development of western European civilization since 1500 and its impact on the rest of the world.

HISTORY 135† History of the United States to 1865 Three credit hours

A study of the United States from its European backgrounds to 1865.

HISTORY 136† History of the United States since 1865 Three credit hours

A study of the United States from the conclusions of the Civil War to the present.

HISTORY 231 History of Africa to 1800 Three credit hours

The geographical, ethnological, and cultural background of African history; political development, legitimate commerce, the slave trade, and the mingling of the different peoples—European and African. Prerequisite: 6 hours of history or consent of instructor.

HISTORY 232 History of Africa since 1800 Three credit hours

A study of the slave trade, abolitions, migrations, conquests, the colonial period, the rise of African nationalism and after. Prerequisites: 6 hours of history or consent of instructor.

HISTORY 233 Early Modern Europe, 1350-1789 Three credit hours

A study of radical social change in Europe from the late middle ages to the eve of the French Revolution; Renaissance and Reformation, political absolutism and the Enlightenment. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 234 Revolution and Romanticism, 1789-1914 Three credit hours

Europe from the French Revolution to the outbreak of World War I; the rise of romantic nationalism, liberal democracy, industrialism, and imperialism. Prerequisite: History 131 and 132. Offered in alternate years.

HISTORY 238 American Colonial Civilization Three credit hours

The study of an "underdeveloped area" and the economic, political, and religious life of the different colonies; the contributions of the various immigrants. Prerequisite: History 135 and 136. Offered in alternate years.

HISTORY 239 The American Revolution and Federal Period, 1776-1820

Three credit hours

The U.S. during the formative years of the early republic from the War of Independence to the so-called "era of good feeling". Considerable attention devoted to the creative personalities of the period. Prerequisite: History 135 and 136. Offered in alternate years.

HISTORY 333 Historiography**Three credit hours**

An introduction to the methods of historical research, the more prominent philosophies of history, and an investigation of the work of outstanding historians. Prerequisite: 9 hours of history or consent of instructor.

HISTORY 334 Constitutional History of England**Three credit hours**

The development of English government from the early Middle Ages to the present; emphasis is on central concepts—government of laws and consent of the governed—and their realization in institutional forms—limited monarchy, Parliament, the common law, and democratic suffrage. Prerequisite: 9 hours of history or consent of instructor. Recommended for pre-law students.

HISTORY 335 Sectionalism and Conflict, 1820-1865**Three credit hours**

The American experience from the Missouri Compromise through the Civil War; Jacksonian democracy, territorial expansion, black slavery and the rise of southern nationalism. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 336 Emergence of Modern America, 1865-1900**Three credit hours**

A study of the revolutionary changes in American life from the end of the Civil War to the close of the 19th century, the failure of Reconstruction, the origins of racial segregation, America's emergence as an industrial giant. Prerequisite: History 135 and 136. Offered in alternate years.

HISTORY 337 History of Latin America**Three credit hours**

The growth of the Latin American republics from their colonial periods, their relations with one another and with the outside world. Prerequisite: 6 hours of history.

HISTORY 338 Black History in the U.S.**Three credit hours**

A study of the contributions of blacks to American history and civilization, their efforts at racial adjustment and struggle for social justice. Prerequisites: History 135 and 136.

HISTORY 339 Constitutional History of the U.S.**Three credit hours**

English and colonial origins; the American Revolution; formation and adoption of the Constitution; growth of judicial power; the issue of slavery. Prerequisites: History 135, 136, and 334. Recommended for pre-law students.

HISTORY 431 Twentieth Century Europe**Three credit hours**

A study of World War I and its consequences; economic, social and cultural change between the wars; the rise of totalitarian dictatorships and World War II; post-war reconstruction, the Cold War, and the current situation in Europe. Prerequisites: History 131 and 132. Offered in alternate years.

HISTORY 432 Twentieth Century America**Three credit hours**

A consideration of the progressive movement, World War I, and the '20's, the Depression, World War II, the civil rights movement; the widespread impact of technology on American domestic life and our position as a world power. Prerequisites: History 135 and 136. Offered in alternate years.

HISTORY 436 History Seminar**Three credit hours**

A particular historical problem is investigated through in-depth research and discussion. Prerequisite: 15 hours of history. May be repeated one time for credit.

HISTORY 439 Independent Study**Three credit hours**

A designed program of independent study and research for senior students with a 3.0 average or better in the history major. May be repeated one time for credit.

HISTORY 490 Social Science Seminar**Three credit hours**

See Social Science 490, page 65.

POLITICAL SCIENCE

The curriculum in Political Science is designed to prepare students for civic participation, graduate or professional study, private or public employment, and teaching. For a major in political science, the student is required to complete thirty semester hours of course work. For a minor, the student is required to complete eighteen semester hours of course work. Political Science 131 is required of all majors and minors and is a prerequisite for electing other courses in the political science curriculum. Political Science 230, 431, and either 337 or 338 are required of all majors and are recommended for minors. Introductory courses in economics, history, and sociology are also required for the major. Mathematics 136 though not required, is highly recommended for students planning to do graduate work in political science. Students may satisfy the language requirement by taking either French or Spanish.

POL. SCI. 131† American Government **Three credit hours**

Study of the development, structure, and operation of the American political system.

POL. SCI. 230 Introduction to Political Analysis **Three credit hours**

An introductory study and application of the concepts and methods necessary for an analysis of the political system. Open only to political science majors.

POL. SCI. 231 Intergovernmental Relations **Three credit hours**

An analysis of the contemporary relations of national, state, and local governments; urban and metropolitan growth problems and their implications for public policy and administration in relation to the federal system.

POL. SCI. 232 Politics of Urban Affairs **Three credit hours**

A study of contemporary institutions and political responses to urbanization in the United States; urban public policy designed to solve problems created by economic and social changes in metropolitan areas.



- POL. SCI. 330 Public Administration** **Three credit hours**
A study of the formulation of public policy, organization and management, and problems of personnel and finance. Offered in alternate years.
- POL. SCI. 332 Contemporary Governments and Politics of Africa** **Three credit hours**
A survey of the governments and politics of Africa south of the Sahara with an emphasis on the cultural, political, economic, and ideological development in selected countries and regions. Offered in alternate years. May be taken for credit in History.
- POL. SCI. 333 Comparative Political Systems** **Three credit hours**
A comparative analysis of various political systems in the developed and developing countries with an emphasis on the parliamentary system (as modified) and the American presidential system. Offered in alternate years.
- POL. SCI. 334 International Relations** **Three credit hours**
An analysis of the international political system, including the distribution of power among states in the international system, the manner in which states try to increase their capabilities, conflict and the various mechanisms for conflict adjustment.
- POL. SCI. 335 Constitutional History of the United States** **Three credit hours**
The historical development of American constitutionalism from the Colonial period, with emphasis on federal-state relations, governmental powers, and the impact of government in the economic sector. May be taken for credit in history.
- POL. SCI. 336 Civil Rights and Liberties** **Three credit hours**
An analysis of U. S. Supreme Court cases pertaining to civil rights and liberties.
- POL. SCI. 337 History of Political Theory** **Three credit hours**
A study of political thought from Greece to the seventeenth century, including basic writings from Plato to Hobbes.
- POL. SCI. 338 History of Political Theory** **Three credit hours**
A study of political thought from the seventeenth century to the present, including writings from Locke to the declaration of human rights proposed as the foundation of the United Nations.
- POL. SCI. 339 Afro-American Social and Political Thought** **Three credit hours**
An analysis of Afro-American social and political thought from 1850; emphasis on the dialectic between the assimilationist and separatist movements of this period.
- POL. SCI. 431 Materials and Methods** **Three credit hours**
A study and application of basic research materials and methods in Political Science, with an emphasis on formulation of the problem, research design, data collection, analysis and interpretation of the data.
- POL. SCI. 432 Urban Development and Planning** **Three credit hours**
A study of the various political and economic aspects of the urban environment and systematic planning as an essential part of urban development policy. Prerequisites: Political Science 131 and 231.
- POL. SCI. 433 International Organization and Law** **Three credit hours**
A study of the nature and role of international law and the operations of the United Nations and various regional and functional organizations. Prerequisite: Political Science 334.
- POL. SCI. 438 Political Science Seminar** **Three credit hours**
Readings, papers, and discussions on selected topics in political science. Offered on demand to seniors majoring in political science. Prerequisite: permission of the instructor.

POL. SCI. 460 Urban Studies Internship**Six credit hours**

This course assists students in acquiring first-hand knowledge of governmental agencies in the urban community. Prerequisites: Political Science 131, 232, 330, 431, and 432, and consent of the department faculty.

POL. SCI. 490 Senior Seminar**Three credit hours**

See Social Science 490, page 65.

DEPARTMENT OF SOCIOLOGY AND SOCIAL WORK

The program of instruction in the Department of Sociology and Social Work is designed to enrich the general “liberal” education of students and to provide pre-professional and pre-graduate training for those students who wish to

seek careers in sociology or social work professionally.

qualify for service-delivering positions requiring no graduate professional education.

enter related professional fields for which there is no required pre-professional sequence.

enhance and make more meaningful their participation as citizens.

A major in sociology consists of thirty semester hours of course work including Sociology 438 and Sociology 439. A minor in sociology consists of eighteen semester hours of course work including Sociology 131. Except by consent of the instructor, Sociology 131 is prerequisite for enrollment in other courses comprising the sociology curriculum.

SOCIOLOGY

SOCIOLOGY 121 Personal and Family Finance**Two credit hours**

This course analyzes financial decisions and judgments which are made by the individual and his family.

SOCIOLOGY 131† Principles of Sociology**Three credit hours**

An introduction to the viewpoints, basic concepts and methods of sociology.

SOCIOLOGY 133† Introduction to Cultural Anthropology**Three credit hours**

A survey of the various processes and conditions involved in cultural growth and change. Offered in alternate years.

SOCIOLOGY 230† Intergroup Relations**Three credit hours**

An analysis of viewpoints, processes and basic factors underlying problems of adjustment between divergent racial or cultural groups.

SOCIOLOGY 231 Social Disorganization**Three credit hours**

An analysis of social change in the various aspects of society in their relationship to each other and to the society. Offered alternate years, fall semester.

SOCIOLOGY 233 Sociological Statistics**Three credit hours**

The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t, and F distributions, regression and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. Fall semester.

- SOCIOLOGY 237 Juvenile Delinquency** **Three credit hours**
An analysis of the anti-social behavior of youth with emphasis on causes, consequences and efforts at prevention.
- SOCIOLOGY 238 Social Problems** **Three credit hours**
A sociological treatment of contemporary social problems. Offered alternate years, fall semester.
- SOCIOLOGY 331 The Family** **Three credit hours**
An examination of the structures and functioning of the family as a social institution.
- SOCIOLOGY 332 Urban Sociology** **Three credit hours**
A study of the growth, the ecology, the social processes, the organization, and the problems of the urban community.
- SOCIOLOGY 333 Social Stratification** **Three credit hours**
An examination of the ways in which societies differ in terms of their systems of internal differentiation.
- SOCIOLOGY 335 Collective Behavior** **Three credit hours**
An examination of the factors and processes leading to noninstitutionalized group patterns of action. Offered in alternate years; spring semester.
- SOCIOLOGY 336 Population** **Three credit hours**
A critical analysis of population characteristics in their implications for the structure and functioning of society. Offered in alternate years, spring semester.
- SOCIOLOGY 337 Sociology of the Black Community** **Three credit hours**
An analysis of the structure and functioning of the black community as a social system. Offered in alternate years; spring semester.
- SOCIOLOGY 338 Deviant Behavior** **Three credit hours**
Focus on individual behavior patterns in society. Examination of the social and psychological principles underlying sociopathic behavior.
- SOCIOLOGY 339 Criminology** **Three credit hours**
An examination of crime as a social phenomenon and the methods of prevention and control. Offered in alternate years.
- SOCIOLOGY 431 Social Psychology** **Three credit hours**
(Identical with Psychology 431). An analysis and interpretation of the social development of the individual.
- SOCIOLOGY 436 Independent Study** **Three credit hours**
An arranged program of independent study and research.
- SOCIOLOGY 438 Social Research** **Three credit hours**
An introduction to the techniques and methods of scientific inquiry. Prerequisite: 9 semester hours of sociology or consent of instructor.
- SOCIOLOGY 439 The Development of Social Theory** **Three credit hours**
An analysis of the emergence and development of sociological theory. Prerequisite: 9 semester hours of sociology or consent of the instructor.
- SOCIOLOGY 490 Social Science Seminar** **Three credit hours**
This course is conducted by selected members of the division faculty. The objective is to help the student achieve a synthesis of social science knowledge. Open to juniors and seniors and nonmajors by permission of instructional staff. Major students may receive credit in their area of concentration. See Social Science 490.

SOCIAL WORK

A major in social work consists of thirty hours of course work including Social Work 239, 334A, 432, 434A, 434B and 460. A minor in social work consists of eighteen semester hours of course work including Social Work 239, 334A, 334B and 460. All students electing to major or minor in social work will be advised to take Sociology 131.

SOCIAL WORK 234 Social Rehabilitative Services **Three credit hours**
A comprehensive study is made of selected social services programs on the local, state and national level. Attention is given to both public and private agencies. The Social Security Act and the Economic Opportunity Act are the major pieces of legislation to be studied. Offered alternate years, spring semester.

SOCIAL WORK 239 Introduction to the Field of Social Work **Three credit hours**
A survey course including a history of social welfare and a comparison of the methods of casework, groupwork, and community organization.

SOCIAL WORK 330 Social Policy **Three credit hours**
A study of the history, politics, sociology, and economics of the social services. It includes issues of choice and change.

SOCIAL WORK 334A Human Growth & Development in the Social Environment **Three credit hours**
(Formerly Community Organization). A required course for students in the Social Work sequence, designed to examine human behavior and the social environment from a normal developmental perspective, special emphasis on man's bio-psycho-social needs, and the behavioral consequences when these needs are not met.

SOCIAL WORK 334B Human Growth & Development in the Social Environment **Three credit hours**
It is designed to provide the student with a substantive knowledge base related to the aging process in Western society.

SOCIAL WORK 432 Social Welfare as a Social Institution **Three credit hours**
This course assesses the philosophy, development, behavior, current trends and dynamics of Social Welfare as a cognate institution in the social system.

SOCIAL WORK 433 Seminar in Social Welfare **Three credit hours**
Students interpret data from field experience in light of previously established concepts of social welfare methods of Social Work Practice. The seminar is held weekly.

SOCIAL WORK 434A Social Work Methodologies **Three credit hours**
(Formerly Introduction to Casework). Examination of the process in social work practice with individuals, families, and groups.

SOCIAL WORK 434B Social Work Methodologies **Three credit hours**
An in-depth study of the process involved in the interventive methods. Consideration is given to the individual, the group, and the community. Prerequisite: Soc. 434.

SOCIAL WORK 460 Field Experience **Six credit hours**
To assist students in acquiring first hand knowledge of community agencies through active work experiences in preselected agency settings. Offered in spring semester.

DIVISION III EDUCATION AND PSYCHOLOGY

This Division includes the following Departments: Education, Physical Education & Health, and Psychology.

Students may secure majors in elementary education, physical education and health, and psychology. Art and geography are provided for elementary education majors and for those in other fields needing these subjects in order to qualify for certification.

DEPARTMENT OF EDUCATION

The Department of Education offers majors in early childhood education, intermediate education, and secondary education, leading to the Bachelor of Arts Degree. These courses may also be taken by persons interested in education and child development, but who do not plan to take a major in education. Teacher candidates who complete the course sequence recommended by the department will be qualified to meet the academic certification requirements in most states. The department adheres closely to the guidelines set forth by the North Carolina Department of Public Instruction and the Southern Association of Colleges and Schools as determinants in the selection and structuring of course offerings and requirements.

A Teacher Education Committee comprised of representatives from the various academic disciplines, along with the Vice President for Academic Affairs, assists in formulating broad policy for the Education Department.

The salient objective of the department is to implement the education of public and private school teachers so that they may, in turn, engender pragmatic, viable and relevant learning that will facilitate attainment of "the good life" now and in the future.

REQUIREMENTS FOR ADMISSION TO THE PROGRAM OF TEACHER EDUCATION

A formal application to enter the program of teacher education must be filed with the Head of the Department of Education at the beginning of the second semester of the sophomore year. A prospective teacher starts his professional training at the beginning of the junior year. The successful applicant for admission to the program of teacher education must satisfy the following requirements:

1. Present a cumulative grade point average of 2.2 or higher through the first semester of the sophomore year.
2. Present a raw score of 50 or more on the Diagnostic Reading Test.
3. Present a health certificate indicating good mental and physical health.
4. Present a certificate of good character from the Dean of Students.
5. Present a certificate of speech proficiency signed by one of the University's speech instructors.
6. Gain the approval of the head of his major department.

7. Gain the approval of the Teacher Education Screening Committee.

Students who plan to teach in elementary schools, grades K-3 or 4-9, should major in either early childhood or intermediate education.

Students who plan to teach in secondary schools should select majors and minors in the various subject matter areas. They will need to take certain prescribed courses in education and psychology in order to satisfy the requirements for certification (viz., Education 221, 222, 395 and 462; and Psychology 237 and 239. They must also take a course in “materials and methods” of teaching their major subject (see Education 326, 327, 397, French 420, Mathematics 420, English 429, and Physical Education 422, 434, and 226.

It is highly recommended that students prepare themselves to teach two subjects.

Attention is drawn to the requirement that all students who plan to do student teaching during the senior year must file an “Application for Student Teaching” with the Head of the Department of Education at the beginning of the semester prior to the one in which student teaching is to begin, e.g., if student teaching is to be done during the second semester, the application is to be filed at the beginning of the first semester and if student teaching is to be done during the first semester, the application should be filed at the beginning of the Spring semester of the previous year.

PROFESSIONAL REQUIREMENTS

Early childhood and intermediate grade certificates: Education 221, 222, 321, 461, and Psychology 235 and 239. High school certificates: Education 221, 222, 395, and 462 (and the appropriate course in “materials and methods” of teaching in major subject) and Psychology 237 and 239.

ART

ART 130 Basic Design

Three semester hours

Designed to acquaint students with the principles of draftsmanship, color scheme variables, and principles of their application. Materials to be explored in this course will be collage techniques, matting, acrylic and water color painting, various uses of charcoal, linoleum block printing, basic sculptural forms and oil painting.

ART 131 Ceramics

Three semester hours

This course is an introduction to methods in making pottery, glaze materials, use of the potters' wheel and the kiln.

ART 133 Introduction to Drawing & Painting

Three semester hours

Emphasis in this course will be placed upon understanding form, line linear organization, color harmony and the physical properties of pigment, (oil, acrylic, and gauche). Students will explore the use of: Charcoal, Conte crayon, oil colors, acrylic color, and methods of canvas preparation and framing.

- ART 134 Afro-American Art History** **Three semester hours**
A supplement to regular mainstream approaches in teaching American art history. The aim is to acquaint students with the distinguished creative output of persons of Afro-American backgrounds. Some 200 years of Black creative efforts will be examined in this course.
- ART 230 Art for the Elementary School** **Three semester hours**
Skills which will facilitate art work in the elementary school. Emphasis is placed on developing creative ability. Two two-hour class meetings each week.
- ART 231 Art Appreciation** **Three semester hours**
Appreciation for the beauty of architecture, painting, sculpture, pottery and textiles. Two one-hour lecture periods and one two-hour laboratory period each week.
- ART 232 History of Art Survey** **Three semester hours**
A survey of major arts and the influence of the historical past on the concepts and forms of contemporary creative endeavor. Prehistoric through early Gothic. Late Gothic through Renaissance to Baroque.
- ART 233 Introduction to Traditional African Art** **Three semester hours**
An introductory survey of traditional African art, emphasizing its etiological roots and its social context, as well as its aesthetic aspects. One major research paper will be assigned.

GEOGRAPHY

- GEOGRAPHY 130 Introduction to Geography** **Three credit hours**
Cultural and physical elements. A study of the basic cultural and physical elements of geography; emphasis is on climate, soils, natural vegetation, population, distribution, and general land-use.
- GEOGRAPHY 131 World Regional Geography** **Three credit hours**
Analysis of the physical and cultural features that characterize and differentiate the geographical landscapes and regions of the world.

EARLY CHILDHOOD EDUCATION

(For Nursery School Teachers, Grade K-3)

- EDUCATION 130 Learning and Development of the Young Child** **Three credit hours**
Study of varied theories of learning and development with direct implications for understanding the nature of the child, birth through eight years of life, in addition to implications for interpreting current research related to sex differences. Techniques for observing the behavior of young children, as well as guidance techniques, will be analyzed. Field experiences involving observation of a specific child over a period of twelve weeks will be required.
- EDUCATION 131 The Guidance Role of the Teacher of the Young Child** **Three credit hours**
The development of appropriate techniques for guiding children's learning and communicating with their parents in early childhood programs.

Note: Observation-participation experiences with children on-campus and in the community are required for these courses. Students must plan a three-hour free period, one morning or one afternoon per week.

- EDUCATION 224 Educating the Young Disadvantaged Child** **Two credit hours**
A study of current approaches to early education programs for children from disadvantaged families and research-to-date including Head Start, Title I, Follow Through, Federal Interagency Day Care Projects, etc.

EDUCATION 225 Family, School and Community**Two credit hours**

An examination of the relationship between family living and participation in the education of the young child in today's communities. Students will be expected to select and work with the family of a young child in the Charlotte community; to volunteer in family service agencies (hospitals, homes for the aging, public health and social services, day care, etc.); to design programs for parent involvement in the education of their children.

EDUCATION 334 Communication Skills and the Young Child Three semester hours

(May be taken simultaneously with Education 337, Reading and the Young Child).

A study of ways in which the young child organizes and communicates his ideas and feelings through designed play experiences. Observations of participation with children from infancy through age eight will provide the laboratory experiences accompanying this course.

EDUCATION 336 Science and the Young Child**Three credit hours**

An examination of beginning concepts among scientific phenomena in ways which are consistent with the young child's way of seeing, inquiring and experimenting with the natural environment. Problem solving approaches to discovery will be emphasized.

EDUCATION 337 Reading and the Young Child**Three credit hours**

Selected reading experiences which lead ultimately to reading will be emphasized. Attention will be directed to pre-reading experiences of using the senses to examine many concrete objects and the development of children's own ideas into spoken and written forms.

EDUCATION 338 Creative Arts, Music, Rhythms, Drama and Dance**Three credit hours**

The integration of the creative and dramatic art forms through experiences in which both college students and children can engage. Creating out of one's unique body, feelings and ideas will be the focus.

EDUCATION 398 Literature for the Young Child**Three credit hours**

Wide exploration and study of picture-story books including Caldecott and Newberry awards, story-telling as an art, puppets for expression, use of films and film strips, and other media with a primary focus on uses within early education programs.

EDUCATION 431 Interdisciplinary Senior Seminar for Early Childhood and Intermediate Education**Three credit hours**

This seminar is designed for seniors and consists of discussions and research on the various disciplines in the early childhood and intermediate curriculums. Students will have opportunity for creative expression as they make teaching aids and devices to be used for strengthening certain skills. The problem solving approach will be utilized as students discuss current issues of concern to future teachers.

EDUCATION 435 Pre-Number Skills and the Young Child**Three credit hours**

This course will address its attention to the beginnings of numerical concepts such as measuring, classifying, categorizing. Familiar materials found in homes and neighborhoods will be collected and developed as tools for learning pre-number skills with young children.

EDUCATION 460 Early Childhood Curriculum and Directed Teaching**Six credit hours**

The curriculum design will center around essential life concepts, the foundations for which are carefully laid in the early years. Students will spend time in children's centers on and off-campus. Discussion-seminars will be held in effective demonstration of theory and practice in early childhood centers. Cooperating agency personnel and university faculty will be in direct relationship with students.

INTERMEDIATE EDUCATION

(For Teachers of Grades 4-9)

EDUCATION 321 The Elementary School

Two credit hours

Special attention to the philosophy, aims, principles, and practices of education as they relate to the elementary school. Required of all candidates for either the early childhood or intermediate education teacher's certificate. Prerequisite: Education 221.

EDUCATION 332 Children's Literature

Three credit hours

Study of the types of literature available and suitable for primary and intermediate grades. Required only of elementary education majors.

EDUCATION 333 Teaching Science in the Elementary School

Three credit hours

Emphasis on the principles, practices, and procedures of the teaching of science in the elementary school.

EDUCATION 335 Reading in the Elementary School

Three credit hours

Methods of analysis and correction of difficulties in reading at the elementary school level.

EDUCATION 390 Language Materials and Methods

Three credit hours

Guidance of learning activities in the development of language. An analysis is made of ways of helping children grow in reading, writing, speaking, and listening efficiency.

EDUCATION 391 Teaching the Social Studies in the Elementary School

Three credit hours

Designed to help elementary teachers develop a social studies program; includes methods, materials, and techniques which seem to be most effective in all of the elementary school grades.

EDUCATION 392 Materials and Methods of Elementary School Teaching

Three credit hours

Investigation and evaluation of materials and methods used in elementary school teaching. Requires supervised observation of teaching activities at the elementary school level. Prerequisite for Education 461.

EDUCATION 461 Student Teaching in the Elementary School

Six hours credit

Students are placed in cooperating public elementary schools for the practical study of teachers' problems in a laboratory setting, directed observation, guided participation, and full-time classroom teaching. Open only to seniors regularly enrolled in the University who have completed courses designated in the catalogue as prerequisites for Student Teaching.

Prerequisites for Student Teaching in Early Childhood and Intermediate Education:

1. A general academic average of 2.2 or better.
2. No grade of "D" in courses offered in fulfillment of the student's major subject.
3. Completion of all freshman and sophomore required courses.
4. A grade of "C" or better in required courses in education.
5. A grade of "C" or better in required courses in psychology.
6. Demonstrate proficiency in the use of English.
7. Passing score on the Handwriting and Spelling Test.
8. Approval of the Student Teacher Screening Committee.

NOTE 1: A student who has completed all of the course requirements may be denied the privilege of doing student teaching if he demonstrates an inability to participate in this phase of the Teacher Education Program.

NOTE 2: Post Graduate Student Teaching—Only graduates who meet all of the above requirements will be permitted to enroll (as an in-service teacher) in the University for the course in student teaching.

SECONDARY EDUCATION

(For Teachers of Grades 7-12)

EDUCATION 395 The Secondary School

Three credit hours

A survey course concerned with the purposes, clientele, organization, administration, teaching methodology, and viable problems of the contemporary American secondary school. Students are given pre-student teaching observation experiences in a public school setting. A public school pupil register clinic is an ancillary component of the course. Required of all Secondary Education majors.

EDUCATION 326 Materials and Methods in High School Social Studies

Two credit hours

Concerned with the philosophy, aims, methods and techniques of teaching the social studies in the secondary school. This course is a prerequisite for student teaching in the field of the social studies.

EDUCATION 327 Materials and Methods in High School Science Two credit hours

The organization and presentation of secondary school science materials. Prerequisite: 16 semester hours of science. This course is a prerequisite for student teaching in either general science, biology, chemistry, or physics.

EDUCATION 397 Materials and Methods in Teaching Bible

Three credit hours

(Same as Religious Education 434a-434b). The functional use of the Bible in contemporary life; survey and evaluation of materials and methods. Prerequisite: 12 semester hours of Religious Education. A prerequisite for student teaching in Religious Education.

EDUCATION 462 Student Teaching in the Secondary School

Six credit hours

Students are placed in cooperating public secondary schools for the study of teachers' problems in a laboratory setting, directed observation, guided participation, and full-time classroom teaching. Open only to seniors regularly enrolled in the University who have completed all other education course requirements.

Prerequisites for Student Teaching in Secondary Education:

1. Education 221, 222, and 395.
2. Psychology 237 and 239.
3. The appropriate course in "Materials and Methods" (Special Methods) in the major subject.
4. A general academic average of 2.2 or better.
5. A grade of "C" or better in required courses in education.
6. A grade of "C" or better in required courses in psychology.
7. No grades of "D" in courses offered in fulfillment of the student's major subject.

8. Completion of all freshman and sophomore required courses.
9. Demonstration of proficiency in the use of English.
10. Be approved for student teaching by the Student Teacher Screening Committee.

NOTE 1: A student who has completed all course requirements may be denied the privilege of doing student teaching if he demonstrates an inability to participate in this phase of the Teacher Education Program.

NOTE 2: Post Graduate Student Teaching—Only graduates who meet all of the above requirements will be permitted to enroll (as an in-service teacher) in the University for the course in student teaching.

SPECIAL EDUCATION

Special education refers to the training given students who are exceptional in various ways: the learning disabled, the mentally retarded, the culturally different, the emotionally disturbed, the gifted and the talented. This "special" education among the mildly handicapped children will increasingly be provided in the regular classroom. Johnson C. Smith students who work in special education as well as in early childhood education or in intermediate education or in secondary education will become multidiscipline generalists competent to serve both regular and exceptional children in the regular classroom.

EDUCATION 264 Practicum in Critical Observation in Special Education

Six hours credit

A sophomore practicum in critical observation for prospective teachers in which students spend 5 or more hours a week serving as a teacher's assistant and attend a weekly planned seminar.

EDUCATION 296 Psychology of the Exceptional

Three hours credit

An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Applications to educational settings are stressed. (Same as Psychology 230.)

EDUCATION 331 Introduction to Exceptional Children

Three hours credit

Deals with the characteristics and problems of exceptional children, including the learning disabled, the mentally retarded, the emotionally disturbed, and the gifted and talented.

EDUCATION 399 Multi-Disciplinary Survey of Special Education

Three hours credit

Cultural, social, intellectual, and educational problems and issues in special education: behavior modification, counselling and guidance, civil rights, cultural differences, diagnosis and assessment, inquiry and research, teacher attitudes.

EDUCATION 465 Individualizing Curriculum for Special Education

Six hours credit

Interpretation, design, development, and implementation of curriculum used in special education. Involves student teaching under supervision.

EDUCATION 496 Multi-Disciplinary Trans-Categorical Seminar

Three hours credit

Deals with trans-categorical issues in special education: therapy, classroom management, counselling, evaluation, prescriptive teaching, and mainstreaming.

REQUIRED COURSES IN EDUCATION

EDUCATION 221 The School As An Educational and Social Institution

Two credit hours

(An introductory course in education.) A comprehensive study of the school in our contemporary social milieu. Public and private school organization, staffing, clientele, facilities, policy, financing, philosophical, historical, sociological, and psychological foundations of education are synthesized into an eclectic overview of the educational scene. While not limited to those who plan to teach, the course is required of all prospective teachers and is a prerequisite to other offerings in education.

EDUCATION 222 Measurement and Evaluation

Two credit hours

The construction, selection and use of educational tests of the achievement type, including diagnostic and survey instruments. Required of all candidates for a teacher's certificate. Prerequisites: Education 221 and Psychology 131.

EDUCATION 330 Philosophy of Education

Three credit hours

A study of the underlying principles of educational theories, aims, and values. Designed to assist students in developing and clarifying their philosophy of education. Prerequisite: Education 221.

ELECTIVE COURSES IN EDUCATION

EDUCATION 227 Principles and Practices of Guidance

Two credit hours

This is a first course in guidance in which an attempt is made to help the student understand and utilize the philosophies and processes of guidance on both the elementary and secondary school levels. Prerequisite: Education 221.

EDUCATION 233 Reading in the Secondary School

Three credit hours

Designed to help students who are pursuing teaching careers to recognize and deal with various reading problems encountered in the secondary school. Emphasis is placed on reading skills that secondary pupils must master and the teaching techniques that the teacher may utilize to develop these skills.

EDUCATION 234 Corrective Reading Clinic

Three credit hours

Meets the needs of teachers in both the elementary and secondary fields. The incidence of reading disability, its causes and remedial measures are presented as related to individuals, groups and subject matter areas. Each student is required to work with one or more children needing remedial instruction. Offered in the Summer Session only.

EDUCATION 235 Educational Communications Technology (formerly Audiovisual Materials and Methods)

Three credit hours

A study of the utilization of educational technology and media in the classroom and in industry. Special emphasis is given to the actual operation of the 8mm and 16mm motion picture projectors, slide projectors, opaque projectors, still and motion picture cameras, etc. Instruction is also given relative to the construction of teaching aids such as transparencies, laminations, photocopies, mimeograph and spirit duplicator stencils, graphic materials, etc. The systems approach is used and illustrated as teaching methodology. Students work in clusters or groups, produce scripts for television, and present mini-lesson demonstrations or modules. Strongly recommended for all students enrolled in teacher education or who expect to enter industry.

EDUCATION 236 Developmental Reading

Three credit hours

Involves comprehension techniques and mechanics of reading, word attack, study skills, and independent reading.

EDUCATION 237 Reading Workshop (Elementary Level) Three credit hours

Workshop participants will have an opportunity to teach reading to children and to observe children being taught. Designed for both in-service and pre-service teachers. Pre-service teachers may substitute workshop credit for Education 335.

EDUCATION 238 History of Education Three credit hours

The historical development of the principles and practices of education from the earliest times to the present. Prerequisite: Education 221.

EDUCATION 339 Curriculum Construction Three credit hours

A study of principles, practices, and techniques appropriate for overall curriculum planning and development. Attention is given to the selection and placement of content materials on both the elementary and secondary school levels. Prerequisite: Education 221.

**EDUCATION 410, 420 or 430 Independent Study
Registration may be for one, two or three credit hours**

A planned and structured research project jointly defined by student and faculty. Contingent upon scope of work contracted to be completed, the student may enroll for one, two or three credit hours. May be taken for credit in early childhood, intermediate, or secondary education. Required of early childhood education majors.

DEPARTMENT OF PHYSICAL EDUCATION

A major in physical education consists of thirty-six semester hours, and a minor requires fifteen semester hours.

All students enrolled in Physical Education 110 through Physical Education 119 are required to wear the uniform prescribed by the Department of Physical Education.

Students who wish to major in physical education must complete Biology 145 (General Zoology) and Biology 146 (Molecular Biology) before beginning the major. These courses should be completed during either the freshman or the sophomore year. Biology 240 is required of all students majoring in physical education. A student majoring in physical education is required to have an average of C or better in the required science courses: Biology 145, 146, and 240.

All students majoring in physical education must complete the following courses in the area of health education: Physical Education 226 (Community Health), Physical Education 335 (School Health Problems), Physical Education 434 (Materials and Methods of Teaching Physical Education), Physical Education 210 and 211 (Physical Education Skills and Techniques).

All students majoring in physical education are required to purchase and wear the major uniform as prescribed by the department. The department recommends and urges all physical education majors to hold active membership in the American Association of Health, Physical Education and Recreation.

SEQUENTIAL LISTING OF COURSES TO BE COMPLETED FOR A MAJOR IN PHYSICAL EDUCATION

- I. Area of Science
 - Biology 145—General Zoology (Freshman or Sophomore Year)
 - Biology 146—Molecular Biology (Freshman or Sophomore Year)
 - Biology 240—Human Anatomy and Physiology
- II. Area of Physical Education and Health Education
 - Physical Education 210 and 211—Physical Education Skills and Techniques.
 - Physical Education 222—Physical Education in the Elementary School (Sophomore Year)
 - Physical Education 224—Dual and Single Games (Sophomore Year)
 - Physical Education 226—Community Health (Sophomore Year)
 - Physical Education 323-324—Methods and Materials in Team Sports (Junior Year)
 - Physical Education 325—Gymnastics and Stunts (Junior Year)
 - Physical Education 327—Special Physical Education (Junior Year)
 - Physical Education 329—Rhythms and Dance (Junior Year)
 - Physical Education 330—First Aid, Safety, Athletic Injuries (Junior Year)
 - Physical Education 331—Organization and Administration of Health and Physical Education (Junior Year)
 - Physical Education 333—Anatomy and Kinesiology (Junior Year)
 - Physical Education 335—School Health Problems (Junior Year)
 - Physical Education 336—Principles of Physical Education (Sophomore Year)
 - Physical Education 422—Materials and Methods in Teaching Physical Education (Senior Year)
 - Physical Education 434—Materials and Methods in Teaching Health Education (Senior Year)
- III. General Education
 - See section on Basic Requirements and consult with major advisor
- IV. Teacher Education
 - See Professional Education Requirements and consult with major advisor

PHYSICAL AND HEALTH EDUCATION COURSES

General Requirement Courses

- PHYSICAL EDUCATION 110 Elementary Swimming** **One credit hour**
A course designed for nonswimmers involving the fundamental skills of swimming.
- PHYSICAL EDUCATION 111 Advanced Beginners Swimming** **One credit hour**
A continuation of the beginners course for persons who have not progressed sufficiently to meet requirements of the intermediate course.
- PHYSICAL EDUCATION 112 Intermediate Swimming** **One credit hour**
An advanced elementary swimming course with emphasis upon the development of skills in several swimming sports. Prerequisite: Physical Education 110 or 111.
- PHYSICAL EDUCATION 113 Advanced Swimming** **One credit hour**
A course which provides opportunities to learn advanced skills in swimming which will make the individual a competent all-around swimmer.
- PHYSICAL EDUCATION 114 (Co-Ed) Recreational Games** **One credit hour**
(Bowling, Shuffleboard, Handball, Badminton)
- PHYSICAL EDUCATION 114A (Co-Ed) Recreational Games** **One credit hour**
(Tennis, Paddle-Tennis, Golf, Archery)
- PHYSICAL EDUCATION 115 (Co-Ed) Rhythm and Dance Activities** **One credit hour**
(Folk, Square, Social, etc.)
- PHYSICAL EDUCATION 116 (W) Team Sports** **One credit hour**
(Field Hockey, Basketball, Volleyball)
- PHYSICAL EDUCATION 116 (M) Team Sports** **One credit hour**
(Flag Football, Basketball, Volleyball)
- PHYSICAL EDUCATION 117 (M) Physical Fitness** **One credit hour**
(Exercises, Weight Training, and Combination Acts)
- PHYSICAL EDUCATION 117 (W) Physical Fitness** **One credit hour**
(Exercises, Weight Training, and Combination Acts)
- PHYSICAL EDUCATION 118 (M) Self-Testing Activities** **One credit hour**
(Elementary Gymnastics, Stunts and Tumbling) First Semester
- PHYSICAL EDUCATION 118 (W) Self-Testing Activities** **One credit hour**
(Fundamentals of Trampoline, Stunts and Tumbling) First Semester
- PHYSICAL EDUCATION 119 (M) Self-Testing Activities** **One credit hour**
(Weight Training, Track and Field, Conditioning) Second Semester
- PHYSICAL EDUCATION 119 (W) Self-Testing Activities** **One credit hour**
(Calisthenics, Relays and Running, Body Mechanics, Figure and Weight Control) Second Semester
- PHYSICAL EDUCATION 121 Personal Hygiene** **Two credit hours**
Personal health and hygiene, total fitness: physical, mental, emotional.

PROFESSIONAL PHYSICAL EDUCATION COURSES

- PHYSICAL EDUCATION 026** **Two credit hours**
This course is designed to provide the student with the knowledge, philosophy, skill, and mechanics essential to becoming a sport official of high caliber. Sports offered: football, basketball and volleyball. Offered first semester and/or summer.

PHYSICAL EDUCATION 027**Two credit hours**

This course is the same as PE 026, except that the sports offered are swimming, track and field, baseball and tennis. Offered second semester only.

PHYSICAL EDUCATION 210-211 Physical Education Skills and Techniques**One credit hour**

This course is designed for the purpose of providing the professional physical education student with the opportunity to develop a high degree of skill in selected physical education activities.

PHYSICAL EDUCATION 222 Physical Education in the Elementary School**Two credit hours**

A semester course designed to provide students knowledge and practical experiences that will help them to teach effectively physical education to elementary school age children. (Formerly Physical Education 223)

PHYSICAL EDUCATION 224 Dual and Single Games**Two credit hours**

Presentation of teaching methods of activities in which one or two persons may participate.

PHYSICAL EDUCATION 226 Community Health**Two credit hours**

A study of the health of groups of individuals in a community.

PHYSICAL EDUCATION 323-324 (W) and (M) Methods and Materials in Team Sports**Two credit hours****PHYSICAL EDUCATION 325 Gymnastics and Stunts****Two credit hours**

The fundamentals of gymnastics and stunts.

PHYSICAL EDUCATION 327 Special Physical Education**Two credit hours**

This course is designed to provide the professional student with the philosophy, knowledge, and methods of teaching physical education to children with various handicapping conditions.

PHYSICAL EDUCATION 329 Rhythms and Dance**Two credit hours**

An activity course consisting of the fundamentals of dancing.

PHYSICAL EDUCATION 330 First Aid, Safety, Athletic Injuries Three credit hours

Lectures and practice in first aid, safety, techniques, and prevention and treatment of athletic injuries.

PHYSICAL EDUCATION 331 Organization and Administration of Physical Education**Three credit hours**

The aims, objectives, content and techniques of physical education and effective methods of teaching health education.

PHYSICAL EDUCATION 333 Anatomy and Kinesiology**Three credit hours**

An elementary course in anatomy especially adapted to the needs of students preparing for a major in physical education. Laboratory periods will be arranged. Prerequisite: Biology 146. A lecture course dealing with the origin, insertion and action of muscles of the human anatomy.

PHYSICAL EDUCATION 334 Principles, Practices and Procedures in Health Education for Elementary School**Three credit hours**

The study of health education principles, methods and practices to improve health learning and teaching in the elementary school.

PHYSICAL EDUCATION 335 School Health Problems**Three credit hours**

A study of the school health program, its value and problems in developing health education in the junior and senior high schools.

PHYSICAL EDUCATION 336 Principles of Physical Education Three credit hours

Lecture course dealing with the underlying principles and meaning of physical education.

PHYSICAL EDUCATION 422 Materials and Methods in Teaching Physical Education **Two credit hours**
A study of effective methods of teaching physical education.

PHYSICAL EDUCATION 434 Materials and Methods in Teaching Health Education **Three credit hours**
A study of effective methods of teaching health education.

DEPARTMENT OF PSYCHOLOGY

Psychology 131 or its equivalent is prerequisite to all other courses in psychology and is credited toward the major and minor requirements. A major in psychology consists of thirty semester hours which must include 132, 233, 333, and two of the following courses: 234, 330, 332, 338, 339, 435. A minor in psychology consists of eighteen semester hours which must include 132 and two of the following courses: 233, 333, 330, 332, 338, 435.

Students planning to major in psychology should take in the freshman year psychology courses 131 and 132 and Mathematics 136, which is a prerequisite to Psychology 233, a major requirement. (For psychology majors, the combination of Mathematics 136 and Psychology 233 will fulfill the University requirements in mathematics. Whether or not a student can take Mathematics 136 as his first course in mathematics will depend upon his performance on placement tests in mathematics.)

PSYCHOLOGY 131† General Psychology I **Three credit hours**
Provides an understanding of behavior through the study of growth and development, motivation, emotion, learning, personality, intelligence, and other related topics. Winter and spring semesters.

PSYCHOLOGY 132† General Psychology II **Three credit hours**
A more intensive and rigorous treatment of selected topics within general psychology with special emphasis on experimental procedures. Laboratory demonstrations and participation. Winter and spring semesters.

PSYCHOLOGY 230 Psychology of the Exceptional **Three credit hours**
An examination of psychological approaches to understanding a variety of handicapping and facilitating deviations from the usual. Applications to educational settings are stressed. Spring semester. (Same as education 296)

PSYCHOLOGY 233 Psychological Statistics **Three credit hours**
The application of inferential statistics to data in the social sciences. Emphasis on normal, chi-square, t and F distributions, regression, and hypothesis testing. Prerequisite: Mathematics 136 or its equivalent. Winter and spring semesters.

PSYCHOLOGY 234 Experimental Designs **Three credit hours**
Presentation of various statistical designs used in psychological research with emphasis on the analysis of variance. Prerequisite: Psychology 233 or its equivalent. Spring semester.

PSYCHOLOGY 235 Psychology of Childhood **Three credit hours**
A study of behavior and development from infancy to adolescence. Winter and spring semesters.

PSYCHOLOGY 237 Psychology of Adolescence **Three credit hours**
The psychology of behavior arising from the problems peculiar to the transitional period between childhood and maturity. Winter and spring semesters.

- PSYCHOLOGY 239 Educational Psychology** **Three credit hours**
A presentation and discussion of psychological principles as they apply to learning and teaching. Winter and spring semesters.
- PSYCHOLOGY 330 The Psychology of Learning** **Three credit hours**
A study of the facts and theories of human and animal learning. Spring semester.
- PSYCHOLOGY 332 The Psychology of Perception** **Three credit hours**
A study of the basic phenomena of perception as determined by conditions in the external situation and within the perceiver. Winter semester.
- PSYCHOLOGY 333 Experimental Psychology I** **Three credit hours**
Theory, methods, and techniques of experimental psychology through investigations of psychophysics, scaling, sensation, and human learning. Two hours of lecture and two hours of laboratory per week. Prerequisite: Psychology 233 or its equivalent. Winter and spring semesters.
- PSYCHOLOGY 334 Experimental Psychology II** **Three credit hours**
Theory, methods, and techniques of experimental psychology through investigations of animal learning, perception, social interaction, and esthetics. Two hours of lecture and two hours of laboratory per week. Prerequisite: Psychology 333 or permission of the instructor. Spring semester.
- PSYCHOLOGY 336 Psychology of Religion** **Three credit hours**
A study of the psychological factors in religious experience and the dynamic patterns affecting religious adjustment and maladjustment with special attention to the problems of sin, guilt, conversion, and religious beliefs. Winter semester, alternate years. (Same as Religion 334.)
- PSYCHOLOGY 338 Personality Theory** **Three credit hours**
Intended to introduce students to psychological approaches to personality theories and theorizing. Winter semester.
- PSYCHOLOGY 339 Principles of Psychological Measurement** **Three credit hours**
Theory and technique for constructing, selecting, utilizing, and evaluating tests for psychological assessment. Spring semester.
- PSYCHOLOGY 430 Psychology of Speech** **Three credit hours**
The psychological principles involved in oral communication and their application to individual and group special problems. Spring semester. (Same as Speech 430.)
- PSYCHOLOGY 431 Social Psychology** **Three credit hours**
Problems, concepts, and methods in the study of social interaction and interpersonal influence. Spring semester.
- PSYCHOLOGY 432 Abnormal Psychology** **Three credit hours**
A study of the kinds and theories of behavior disorders. Winter semester.
- PSYCHOLOGY 434 Introduction to Clinical Psychology** **Three credit hours**
A survey of clinical problems and techniques. Spring semester.
- PSYCHOLOGY 435 Theoretical Psychology** **Three credit hours**
A review of the history of psychology as it relates to major efforts at systematizing in the field. The methodology of theory construction is considered. Winter semester.
- PSYCHOLOGY 436, 426, 416 Independent Research in Psychology**
One (416), two (426), or three (436) credit hours
Independent investigation of topics of special interest. Prerequisites: junior classification, six hours in psychology, approval of faculty supervisor. May be repeated. Winter and spring semesters.

PSYCHOLOGY 437 Individual Psychological Tests I Three credit hours

The administration and interpretation of tests for preschool and elementary school children. Prerequisite: Mathematics 136, Psychology 339, and nine additional hours in psychology. Winter semester.

PSYCHOLOGY 438 Individual Psychological Tests II Three credit hours

The administration and interpretation of tests at the adolescent and adult levels. Prerequisite: Mathematics 136, Psychology 339, and nine additional hours in psychology. Spring semester.

PSYCHOLOGY 460 Internship in Psychology Six credit hours

An opportunity for students, under supervision, to participate in such professional psychological activities as testing, counseling, job placement, group therapy, and research. Each student will be responsible for 200 to 250 hours of work in a selected community agency and for participation in periodic seminars. Winter and spring semesters.

DIVISION IV MATHEMATICS AND SCIENCES

The Departments of Biology, Chemistry, Mathematics and Physics constitute the Division of Natural Science and Mathematics. Students may elect a major in Biology, Chemistry, Mathematics, or Physics—Mathematics. All departments will provide work for a minor.

Pre-medical, pre-dental, and other preprofessional programs may be arranged. (See Biology and Chemistry.)

General Science Major

A major in General Science consists of: Biology 143-144, Chemistry 141-142, Mathematics 150-136 or 134-136, Physics 241-242, and 12 additional semester hours in one of the three sciences (Biology, Chemistry, Physics). One year of Earth Science is recommended.

EARTH SCIENCE

EARTH SCIENCE 131 Physical Geography Three credit hours

The earth as a globe and its various projections as a flat surface. Weather elements. Climate and soil. Landforms. General tectonic processes. Simple notions of geophysics.

EARTH SCIENCE 132 Elementary Meteorology Three credit hours

Sources, types, and composition of climates. Interaction of atmospheric variables and climate. Interaction of atmospheric variables and climates to produce "weather". Elementary physics and chemistry of the atmosphere. Elements of meteorological analysis. Principles of forecasting. Three hours of class work and one two-hour laboratory work a week.

EARTH SCIENCE 231 Physical Geology Three credit hours

A thorough treatment of the external changes of the earth brought about by weather, water, wind and ice; the effect of these on existing rocks, resulting in the sedimentation and the production of sedimentary rocks. Elementary mineralogy.

EARTH SCIENCE 232 Physio-Historical Geology Three credit hours

A study in the various changes in the earth's interior, with structural geology, details of igneous and metamorphic rocks, continued mineralogy and a review of historical geology. Prerequisite: Geology 231.

Department of Biology

The Biology department attempts to develop an understanding of life through a comprehensive and penetrating study of the concepts, methodology, and philosophy of biology. The department hopes to provide an environment in which the broad themes of biology may be discussed and their relevance to other disciplines appreciated and in which preparation for graduate work, research, and training for professional service in medicine and dentistry, medical technology, and education may be given.

A major in biology requires thirty-two semester hours which should include Biology 143, 144, 241, 251-252, 330, 340, 440, as well as 16-20 semester hours in inorganic, organic, and analytical chemistry, Mathematics 134 and 136 or 333, and Physics 241-242.

A minor in biology requires twenty semester hours which may include the courses already listed or Biology 140, 145, 146, and 240.

Substitution for a required course may be authorized by the head of the department and filed with the registrar.

MODIFIED PRE-MEDICAL PROGRAM

Biology majors who complete departmental and general education requirements by the end of the junior year and who are accepted into medical or dental school, and satisfactorily complete the freshman year at the medical or dental school are eligible to receive the B.S. Degree from Johnson C. Smith University. An official transcript of medical or dental school credit must be submitted to Johnson C. Smith in order to be eligible.

BIOLOGY 140† Introductory Biology **Four credit hours**

A study of the basic principles of biology, a survey of the plant and animal kingdom, and a general treatment of the structure, function, and continuity of living organisms. This is a terminal course, fulfilling general education requirements for non-majors. Lectures three hours a week; laboratory two hours a week.

BIOLOGY 141† General Botany **Four credit hours**

A study of the morphology, physiology, heredity, and evolution of plants, including a survey of the plant kingdom with emphasis on life cycles. Lectures two hours a week, laboratory four hours a week.

BIOLOGY 143-144 Concepts of Biology **Four credit hours**

A core of basic biological concepts integrates studies of cellular activities, the organism and its development, heredity, and evolution. Senior high school students with adequate background may take these courses for college credit with permission of the chairman and recommendation from high school science instructors. Lectures three hours a week, laboratory two hours a week.

BIOLOGY 145† General Zoology **Four credit hours**

Study of the structures, functions, environmental relationships, origin, and development of animals. This course fulfills requirements for the physical education major. Lectures two hours a week, laboratory four hours a week.

BIOLOGY 146 Molecular Biology **Four credit hours**

A study of the physical and chemical aspects of cellular activity. This course fulfills requirements for the physical education major. Lectures three hours a week, laboratory two hours a week.

BIOLOGY 240 Human Anatomy and Physiology Four credit hours

Basic structure and functions of man, both descriptive and experimental. Prerequisite: Biology 145. This course fulfills requirements for the physical education major. Lectures 3 hours a week, laboratory 2 hours a week.

BIOLOGY 241† Invertebrate Zoology Four credit hours

A study of the nature of the cells, organs, and systems of representative invertebrates, their morphology, physiology, life histories, ecology, and economic importance. Lectures 2 hours a week, laboratory 4 hours a week.

BIOLOGY 251-252 Development and Comparative Vertebrate Anatomy Five credit hours

An introduction to the unified study of the embryology, microscopic anatomy and gross structure of the vertebrates. Prerequisite: Biology 143-144 or the equivalent. Biology 251 is prerequisite to 252. Lectures 3 hours a week, laboratory 4 hours a week.

BIOLOGY 330 Microbiology Three credit hours

An introduction to the study of microorganisms with special emphasis on their relationship to man. Prerequisite: Biology 143-144 or the equivalent. Chemistry is recommended. Lectures 2 hours a week, laboratory 2 hours a week.

BIOLOGY 340 Genetics Four credit hours

The transfer of hereditary characteristics studied at the molecular, organismic, and species level. Prerequisite: Biology 143-144 or the equivalent, Chemistry 141-142, Mathematics 333 or the equivalent. Organic chemistry is recommended. Lectures 3 hours a week, laboratory 2 hours a week.

BIOLOGY 410, 420, 430 Research Problems in Biology One to three credit hours

Independent or team work in laboratory investigation of some aspects of biology. Progress reports, discussions, and presentation of results. Work may extend over several semesters. Prerequisite: approval of the research director.

BIOLOGY 440 Integrated Physiology Four credit hours

An analysis of the processes by which vertebrates and invertebrates maintain, regulate, and perpetuate their structural and functional integrity. Prerequisite: Biology 143-144 or the equivalent, Chemistry 141-142 and 243 or 341. Lectures 2 hours a week, laboratory 4 hours a week.

MEDICAL TECHNOLOGY

Prerequisites for a Bachelor of Science degree at Johnson C. Smith University are fulfilled before a student interns in medical technology at Mercy Hospital, Charlotte. Successful completion of the 12-month internship and examination by the Board of Registry of Medical Technologists of the American Society of Clinical Pathologists entitle the student to the registry certificate. The Bachelor of Science degree in Medical Technology is awarded by J.C. Smith University.

MED. TECH. 420 Histology Two credit hours

Preparation of normal and pathological tissues.

MED. TECH. 430 Clinical Microscopy Three Credit hours

Special techniques applicable to the laboratory technician.

MED. TECH. 450 Serology Five credit hours

Blood typing, immunology, chemistry of body fluids.

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| MED. TECH. 470 Hematology Blood bank. | Seven credit hours |
| MED. TECH. 480 Biochemistry Clinical chemistry of body functions. | Eight credit hours |
| MED. TECH. 490 Microbiology: Medical Bacteriology, Parasitology, and Mycology | Nine credit hours |

Department of Chemistry

The courses in chemistry are designed to enable students to acquire a general knowledge of chemistry, to equip those who plan to teach, and to give a basic foundation to those who plan to study medicine, work in industry, or pursue advanced work in chemistry.

A major in chemistry requires a minimum of thirty-two semester hours; a minor requires a minimum of twenty-two hours, exclusive of Chemistry 131 and 132. Course requirements for the major in chemistry are Chemistry 141-142, 241, 242, 341-342, 411-412 and 431-432. In addition to required courses in chemistry, Physics 241-242 and Mathematics 233-234 are also required. Majors may not receive credit for both Chemistry 131-132 and Chemistry 141-142 and/or for both Chemistry 243 and 341.

CHEMISTRY 131-132† Introductory Chemistry **Three credit hours**
The elementary principles of Chemistry are discussed at the level suited to the student who plans to take only one year of chemistry. Three lectures, one 2 hour laboratory each week.

CHEMISTRY 140† Chemistry and Problem Solving **Four credit hours**
Some elementary principles and their mathematical relationships are emphasized. Designed for prospective science majors who are inadequately prepared for Chemistry 141. This course may also meet the general education science requirement. Three lectures, one two hour laboratory, one two-hour recitation per week.

CHEMISTRY 141-142† General Chemistry **Four credit hours**
The fundamental principles of chemistry are discussed in relation to the physical and chemical properties of the non-metallic and metallic elements and their compounds. Prerequisite or co-requisite Fundamental Algebra (Math 131) or Math above 131 level. The completion of Chem 140 with a grade of C or better may serve as an alternate prerequisite. Chemistry 141 or an equivalent is a Prerequisite to Chem 142. Three lectures, two two-hour labs.

CHEMISTRY 231 Introduction to Physical Chemistry **Three credit hours**
A study of some basic principles of physical chemistry designed to meet the needs of the non-majors. Prerequisite: Chemistry 142. Three lectures.

CHEMISTRY 241 Analytical Chemistry **Four credit hours**
The theory and practice of measurement are applied to representative volumetric and gravimetric determinations. Prerequisite: Chemistry 142 with a grade of C or better. Three lectures, two two-hour labs.

CHEMISTRY 242 Instrumental Methods of Analysis **Four credit hours**
The theoretical principles of modern instrumentation are discussed. Appropriate experiments complement the discussion. Prerequisite: Chemistry 241 or consent of instructor. Two two-hour labs.

- CHEMISTRY 243 Introductory Organic Chemistry** **Four credit hours**
 A survey of the principles of organic chemistry, this course, designed for non-majors, does not meet the requirements for medical or dental schools. Prerequisite: Chemistry 142. 3 lectures, two two-hour labs.
- CHEMISTRY 313-314 Biochemistry Laboratory** **One credit hour**
 Accompany Chemistry 333-334. Two two-hour labs a week.
- CHEMISTRY 331 Inorganic Chemistry** **Three credit hours**
 A study of the theoretical and descriptive aspects of inorganic chemistry emphasizing the relationship between atomic and molecular structure and chemical and physical properties. Prerequisite: Chemistry 241.
- CHEMISTRY 333-334 Biochemistry** **Three credit hours**
 A study of biochemical processes and molecular reactions in living systems, including study of carbohydrates, lipids, proteins, metabolic reactions, and energy considerations. Prerequisites: Biology 143-144, Chemistry 141-142 and 341-342. Lecture three hours a week.
- CHEMISTRY 341-342 Organic Chemistry** **Four credit hours**
 The principles of organic chemistry as illustrated by the preparation and study of typical representatives of the aliphatic and aromatic series. Prerequisite: Chemistry 142 with a grade of C or better. Three lectures, two two-hour labs.
- CHEMISTRY 430 Advanced Organic Chemistry** **Three credit hours**
 Topics of current interest in theoretical and practical Organic Chemistry, including mechanisms of reactions and synthetic methods. Prerequisite: Chemistry 342.
- CHEMISTRY 411-412 Selected Experiments in Physical Chemistry** **One credit hour**
 These courses accompany 431-432. Two two-hour labs.
- CHEMISTRY 420-421 Chemistry Seminar** **Two credit hours**
 Presentation and discussion of selected topics from the major areas of Chemistry. Oral and written reports are required. Prerequisite: Consent of instructor.
- CHEMISTRY 422, 423, 424, 425 Laboratory Projects in Chemistry** **Two to eight credit hours**
 Advanced laboratory investigation, designed to allow the student to become actively involved in chemistry research either by participating in faculty designed projects or by pursuing individual interests approved by the staff. Prerequisite: Junior standing or consent of staff.
- CHEMISTRY 431-432 Physical Chemistry** **Three credit hours**
 The principles of chemistry and physics are applied to the properties and behavior of gases, liquids, solids, and solutions. Modern concepts in the properties and behavior or aggregation of atoms and molecules are discussed. Prerequisite: Physics 242 or 342, Calculus II, and Chemistry 241.
- PHYSICAL SCIENCE 141 Physical Science** **Four credit hours**
 A study of the physical universe, including space, energy, and the structure of matter. This is a terminal course, fulfilling general education requirements for non-majors in science. Lecture three hours per week, laboratory two hours per week.

Department of Mathematics and Physics

MATHEMATICS

The objectives of the Department of Mathematics are:

- to provide students with mathematics background for general and professional education.
- to prepare student for advance study in mathematics.
- to prepare students to become mathematics teachers.
- to prepare students for employment in applied mathematics.
- to develop appreciation for mathematics as a science.

A major in Mathematics consists of thirty-three semester hours in mathematics. The following courses are required: Mathematics 233-234, 333, 335 (or 439), 336, 341, 411-412, and 433. Students majoring in mathematics must also take eight semester hours of physics or four semester hours of physics and Computer Science 231.

A minor in mathematics consists of twenty-one semester hours of mathematics only or fifteen hours of mathematics and six hours of business, marketing, or economics. Required courses for a minor are Mathematics 136 (or 333), 233-234, and 336. Electives include nine semester hours of mathematics above Mathematics 150 or 231 and any two of the following: Business 333, Economics 432, and Marketing 331 or 431.

Additional courses for the student majoring in mathematics may be selected from the track most appropriate for his post-college plans.

Track 1, *Graduate Study*: Mathematics 334, 441, and another three credit hour mathematics course.

Track 2, *Teacher of Mathematics*: Mathematics 136 (or 334), 330, 420, 421 (or 422), 434 (or 426), and two credit hours of independent study; Education 221, 222 and 395; Psychology 331 and 337; Physical Education 226.

Track 3, *Computer Science*: Mathematics 434 and twelve semester hours in Computer Science.

Track 4, 5, 6, 7, *Business*: Mathematics 136, Computer Science 231, 232; Economics 131-132, Accounting 235-236 and these electives: Business 332-333, Marketing 331 or 431, and six credit hours in accounting or economics.

PRE-ENGINEERING PROGRAMS

Johnson C. Smith University has two programs for Pre-Engineering studies.

- I. A major in mathematics may be expanded to include a concentration in physics and chemistry for the expressed purpose of preparing the student to do graduate work in mathematics and physics or to enroll in a school of engineering with advanced standing.
- II. A student with a strong background in mathematics may complete the major part of the concentration in I within three years. The student may then transfer to an accredited engineering school. A stu-

dent who follows this plan under the advice of the Division of Science and Mathematics is eligible for a Bachelor's degree from Johnson C. Smith when he obtains a Bachelor's degree in Engineering from an accredited school. This program includes: eight semester hours of chemistry, thirty semester hours of mathematics, twelve hours of physics, and the completion of general education requirement.

Placement

All entering freshmen are required to take the Mathematics Placement Test. Students whose performance demonstrates a need for remediation will be required to enroll in Math 141 which includes a required two-hour laboratory. Other students will enroll in Math 131. Students who enroll in Math 131 or Math 141 must take Math 132 in order to satisfy the general education requirement.

The Mathematics Advanced Placement Test is given for students who desire to satisfy the general education requirement by taking higher level courses. A satisfactory advanced placement score will exempt students from Math 131 or 141 and permit them to enroll immediately in Math 132, 133, 136, 150, or 233. All students must earn six or seven hours to satisfy the general education mathematics requirement.

MATHEMATICS 131 Basic Mathematics 1 Three credit hours

Sets, finite mathematical systems, real numbers and their subsystems with emphasis on their properties and applications. Prerequisite: Satisfactory score on placement test.

MATHEMATICS 141 Basic Mathematics 1 Four credit hours

Sets, finite mathematical systems, real numbers and their subsystems with emphasis on their properties and applications will be treated. This course is designed for students who need remediation. A two-hour laboratory is required.

MATHEMATICS 132 Basic Mathematics 11 Three credit hours

A continuation of the development of real numbers with applications, trigonometry of the right triangle, topics from number theory, algebra, intuitive geometry, and statistics. Prerequisite: Mathematics 131, 141, or high score on placement test.

MATHEMATICS 133 Elementary Functions and Trigonometry Three credit hours

A course designed to develop background for the study of college algebra and trigonometry, real numbers, coordinate systems, elementary statistics. The course covers basic rules and manipulative techniques of algebra and trigonometry, real numbers, coordinate systems, elementary functions and graphs, equations and inequalities.

MATHEMATICS 134 Introductory Analysis Three credit hours

Algebra, trigonometry, and polynomial calculus. Prerequisite: Mathematics 131 or the equivalent.

MATHEMATICS 136 Introductory Statistics Three credit hours

A course for majors in areas other than mathematics. Descriptive statistics, introductory probability, the normal curve, linear correlation and regression. Prerequisite: Mathematics 131 or the equivalent.

- MATHEMATICS 138 Modern Business Mathematics** **Three credit hours**
Compound interest, annuities, bonds, sinking funds, depreciation, etc. Prerequisite: Mathematics 131 or the equivalent.
- MATHEMATICS 150 College Algebra and Trigonometry** **Five credit hours**
Sets, number fields, equations and inequalities, functions, exponentials and logarithmic functions, trigonometric functions. Prerequisite: Mathematics 131 or the equivalent.
- MATHEMATICS 210 Statistical Laboratory** **One credit hour**
A supporting course for Mathematics 136. Two one-hour laboratory periods per week.
- MATHEMATICS 233-234 Calculus I and II** **Three credit hours**
(Formerly 241-242). Fundamentals of plane analytic geometry. Fundamental concepts of differentiation and integration with applications. Prerequisite: Mathematics 134 or 150.
- MATHEMATICS 330 Modern Geometry** **Three credit hours**
The logical structure and use of Euclidean Geometry. The relationship of Euclidean geometry to other geometries. Prerequisite: Mathematics 233.
- MATHEMATICS 333-334 Probability and Statistics** **Three credit hours**
Elements of probability theory, mathematical statistics and applications. Prerequisite: Mathematics 134 for part I, Mathematics 341 for part II.
- MATHEMATICS 335 Introductory Abstract Algebra** **Three credit hours**
Elementary set theory and logic, mapping, groups, rings, integral domains, fields, and polynomials. Prerequisite: Mathematics 150 or the equivalent.
- MATHEMATICS 336 Introductory Linear Algebra** **Three credit hours**
Linear equations, vector spaces, linear transformations, theory and applications of matrices and determinants. Prerequisite: Mathematics 150 or the equivalent.
- MATHEMATICS 337 Mathematics for Early Childhood—
Intermediate School Teachers I** **Three credit hours**
Sets, development of whole numbers, natural numbers, fractions, and integers with emphasis on their properties; the concept of number and numeral, and algorithms. Prerequisite: Mathematics 132.
- MATHEMATICS 338 Mathematics for Early Childhood—
Intermediate School Teachers II** **Three credit hours**
Real numbers with emphasis on their properties; logic, relations and functions; the concept of measure; measurement including the metric system; topics from intuitive geometry; exposure to algorithms and innovative methods of teaching mathematics to students with a wide range of abilities. Prerequisite: Mathematics 337.
- MATHEMATICS 341 Calculus III** **Four credit hours**
Extension of the calculus to several variables, vector analysis, infinite series, and line integrals. Prerequisite: Mathematics 234.
- MATHEMATICS 411-412 Mathematics Seminar** **One credit hour**
This course is designed to strengthen independent study habits in mathematics. Set theory and logic, the structure of the real numbers and their subsystems. Prerequisite: Mathematics 341.
- MATHEMATICS 420 Materials and Methods in High School Mathematics** **Two credit hours**
Modern methods and materials for teaching mathematics to high school students. Prerequisite: Mathematics 234, and 335 or 336.

MATHEMATICS 423-424 Internship in Mathematics Two credit hours

A two part course designed to provide experience in laboratory approaches to the teaching of mathematics. Covers such topics as the use of audio visual aids, programmed materials, and the designing of special mathematical activities to meet the needs of underprepared students. Prerequisite: junior or senior standing with a major or minor in mathematics.

MATHEMATICS 431-432 Advanced Calculus Three credit hours

A real variable approach to calculus. Prerequisite: Mathematics 341.

MATHEMATICS 433 History of Mathematics Three credit hours

A study of the evolution of mathematics to the present time. Creative problem solving is emphasized. Prerequisite: Mathematics 341.

MATHEMATICS 434 Elementary Differential Equations Three credit hours

A general course in ordinary differential equations. Prerequisite: Mathematics 341.

READING IN MATHEMATICS

Qualified students in mathematics may take any of the following courses as individual independent study units. Under certain circumstances, any of these courses may take the form of a regular class. Prerequisite: consent of the instructor.

MATHEMATICS 315, 316, 415, 416 Independent Study in Mathematics One to four credit hours**MATHEMATICS 421 Topics in Analysis Two credit hours****MATHEMATICS 422 Topics in Complex Variables Two credit hours****MATHEMATICS 426 Topics in Number Theory Two credit hours****MATHEMATICS 429 Topics in Statistics Two credit hours****MATHEMATICS 436 Topics in Numerical Methods Three credit hours****MATHEMATICS 439 Topics in Modern Algebra Three credit hours****COMPUTER SCIENCE**

The course of study leading to a minor in computer science is designed to: prepare students for advanced training programs conducted by employing firms, institutions, and agencies; prepare graduates for positions in Civil Service, private industry, and educational institutions; acquaint students with the ever-expanding role played by computers in such varied fields as crime prevention, medical research, business-forecasting, economic analysis, information processing, and education; and prepare undergraduates for on-the-job training and applications assignments in conjunction with the cooperative education program jointly sponsored by Johnson C. Smith University and leading private industrial concerns. Six courses are required for a minor in computer science.

COMPUTER SCIENCE 231 Introduction to Programming Three credit hours

Basic data processing concepts and facilities, flow charting techniques, programming business and scientific problems in FORTRAN and COBOL. Prerequisite: Mathematics 131 or equivalent.

COMPUTER SCIENCE 232 Intermediate Programming Three credit hours

Sub-routines and function sub-programs, documentation, storage media, algorithms, survey of input-out devices. Advanced applications programming in FORTRAN, COBOL, and PL-I. Prerequisite: Computer Science 231.

COMPUTER SCIENCE 331 Mathematics for Data Processing Three credit hours

Number systems, algorithms, iteration schemes, empirical equations, difference equations, matrix theory and applications, pseudo-random numbers, and statistical applications. Prerequisite: Six semester hours of college mathematics. Mathematics and science majors may substitute three credit hours in advanced statistics or econometrics for Computer Science 331.

COMPUTER SCIENCE 332 Real Time-Sharing Systems Three credit hours

Telecommunications network organization, data access methods, queuing techniques and disciplines, remote terminals, and error analysis. Prerequisites: Computer Science 231 and 232.

COMPUTER SCIENCE 341 Application Programming—COBOL Four credit hours

A course in advanced topics in COBOL. Such topics as table handling, library facilities, random access methods in disk input and output, subroutine facilities, picture editing, and file manipulation. These topics will be applied in computerizing a small business' accounting system. General ledger, cash disbursements, cash receipts, payroll registers, etc., will be included. No prior business knowledge required. Three lecture hours and lab two hours per week.

COMPUTER SCIENCE 342 Application Programming—FORTRAN**Four credit hours**

An advanced course in the facilities of the FORTRAN language. Storage management, input/output facilities, and advanced problem solving techniques are covered. Arrays, matrix applications, and numerical analysis covered in detail. Functions, subprograms, and subroutines analyzed as a part of the FORTRAN language. Other engineering and mathematical applications covered when appropriate. Three lecture hours and lab two hours per week.

COMPUTER SCIENCE 431 Computer Theory and Logic Three credit hours

Boolean algebra and switching circuits, number systems, encoders and decoders, simulation techniques, queue disciplines, and tape and disk storage methods. Prerequisites: Computer Science 231 and 232.

COMPUTER SCIENCE 432 Topics in Numerical Methods Three credit hours

Error analysis, numerical calculus, finite differences, matrix iterative analysis, approximations, systems of equations, numerical solutions of differential equations, and quadrature techniques. Prerequisite: Differential calculus. Business and accounting majors may substitute three credit hours in economics for Computer Science 432.

PHYSICS

The courses in physics are designed to train those who plan to: do graduate work in physics, enter industry, teach in secondary or technical schools, obtain a general knowledge in the modern fields of descriptive and quantitative experimental physics.

A major in physics-mathematics consists of a minimum of twenty-three semester hours of physics, and twenty semester hours of mathematics.

Physics requirements: 243, 244, 343, 344, 434, 442. The Physics Department may substitute other courses in Physics to satisfy the requirement in the Physics-Mathematics major. A list of these substituted courses must be filed with the registrar.

Mathematics requirements: 233, 234, 333 or 334, 336, 341, 421 or 431, and 424.

Chemistry requirement: 141-142.

A minor in Physics consists of the twenty-three semester hours of physics in the physics-mathematics major.

PHYSICS 131 **Introductory Physics****Three credit hours**

The elementary principles are discussed at a level suited to the general student. An elementary knowledge for success in this course is necessary. Three hours of class work and one two-hour laboratory a week.

PHYSICS 235 Vector Analysis

Three credit hours

Gradient, divergence, curl and Laplacian together with their physical significance, line and surface integrals; Gauss, and Stokes theorems; vectors in Cartesian, cylindrical and spherical polar coordinates. Physical application of matrices and tensors. Four one-hour lectures a week. Prerequisite: Mathematics 234.

PHYSICS 241 General Physics

Four credit hours

Mechanics, heat and sound. Three hours lecture and four hours laboratory per week. Prerequisite: Trigonometry.

PHYSICS 242 General Physics

Four credit hours

Electricity, magnetism, light and modern physics. Three hours lecture and four hours laboratory per week. Prerequisite: Physics 241.

PHYSICS 243 Mechanics

Four credit hours

A study of statics, dynamics, and fluid mechanics. Three one-hour lectures and two two-hour laboratory period. Prerequisite: Mathematics 241.

PHYSICS 244 Waves and Acoustics

Four credit hours

A general detailed study of waves and acoustics. Three one-hour lectures and two two-hour laboratory periods.

PHYSICS 343 Electrodynamics

Four credit hours

Electricity and Magnetism. These topics are treated in detailed manner. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Physics 244.

PHYSICS 344 Optics

Four credit hours

A detailed study of geometrical and physical optics, wave nature of light, mirrors, lenses theory. Interference, diffraction and polarization are treated in detail. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Mathematics 233.

PHYSICS 412 Physics Seminar

One credit hour

Prerequisite: Consent of the instructor.

PHYSICS 433 Kinetic Theory and Statistical Mechanics**Three credit hours**

Introduction to kinetic theory and statistical mechanics are treated in detail. Three one-hour lectures a week. Prerequisite: Physics 442.

PHYSICS 434 Nuclear Physics

Three credit hours

An introduction to nuclear physics. Three one-hour lectures per week. Prerequisite: Physics 442.

PHYSICS 435 X-rays**Three credit hours**

Production, detection and properties of X-rays, emission and absorption spectra related to atomic structure and crystal structure. Three one-hour lectures a week. Prerequisite: Physics 434.

PHYSICS 436 Solid State Physics**Three credit hours**

An introduction to solid state physics. Three one-hour lectures a week. Prerequisite: Physics 434 and Mathematics 341.

PHYSICS 437 Relativity**Three credit hours**

A detailed study of Einstein's Theory of Relativity. Three one-hour lectures a week. Prerequisite: Physics 343.

PHYSICS 438 Quantum Theory**Three credit hours.**

An introduction to Quantum Theory. Three one-hour lectures a week. Prerequisite: Physics 434 and Mathematics 424.

PHYSICS 439 Electronics**Three credit hours**

An introduction to electronics. Three one-hour lectures a week. Prerequisite: Physics 343.

PHYSICS 441 Thermodynamics**Four credit hours**

Thermometry, expansion of solids, liquids and gases. Calorimetry. Laws of thermodynamics and their applications. Low temperature physics. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Mathematics 233.

PHYSICS 442 Atomic and Molecular Physics**Four credit hours**

An introduction to atomic and molecular Physics. Three one-hour lectures and two two-hour laboratory periods a week. Prerequisite: Physics 343.

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 Union

Upward Bound and Special Services

Hellena H. Tidwell, B.A.
Otis Roberson, B.S.
Linda G. Fleming **
Gerald Blakeney, B.A., M.A.
Doris M. Franklin, B.A., M.Ed.
Odell Robinson, B.A. *
Usha Chopra, B.A., B.Ed., M.Ed. *
Mary L. Shivers ***

Director
 Counselor
 Secretary
 Program Coordinator
 Reading Specialist
 Mathematics
 Humanities
 Secretary

* Part-time

** On leave Second Semester

*** Temporary Second Semester

BUSINESS AND FINANCIAL AFFAIRS

| | |
|--|---|
| Mack L. Davidson , B.S., M.B.A. | Vice President for Business and Financial Affairs |
| Fleta M. Alexander | Accounting Clerk |
| Furness J. Armstead , B.S. | Administrative Officer |
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| John W. Mack , B.A. | Comptroller |

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| Lonnie T. Parker , B.S. | Physical Plant Director |
| Annie Ruth Brown | Secretary, Physical Plant |

Book Store

| | |
|------------------------------|---|
| Aurelia L. Law , B.S. | Manager, University Bookstore |
| Bernice W. Spence | Assistant Manager, University Bookstore |

General Services

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| Lessie T. Deavers | Manager, University Post Office |
| Scoletta Mutts Stewart | Assistant Manager, University Post Office |
| Kay Taylor Watts | Switchboard Operator |
| Peggy A. M. Wright | Switchboard Operator |

Faculty 1974-1975

| | |
|---|---|
| WILBERT GREENFIELD , <i>President</i> (B.S., A & T State University, M.S., Ph.D., University of Iowa) | HAZEL PEACE AMOS , <i>Instructor, English</i> (B.A., Virginia State College, M.Lit., University of Pittsburgh) |
| LIMONE C. COLLINS , <i>Vice President for Academic Affairs</i> (B.S., M.S., Prairie View A. & M. College, Ph.D., University of Iowa) | NIGEL M. AYTON , <i>Director, Freshman-Sophomore Studies and Associate Professor of French</i> (A.B., Howard University, M.E., University of North Carolina, Certificate, University of Paris) |

JAMES D. BASS, *Assistant Professor, Political Science and Head, Department of History and Political Science* (A.B., M.A., Florida State University, Ph.D., University of Virginia)

WILLIAM E. BLUFORD, *Associate Professor, History and Director of Community Services* (A.B., Virginia Union University, M.A., University of Michigan)

RALPH P. BOHN, *Professor and Head, Department of Philosophy and Religion* (B.S., Northwestern University, M.Div., Princeton & Union Seminaries, Ph.D., University of Edinburgh)

JOHN BOLLING, JR., *Instructor, Business Administration and Economics* (B.A., Johnson C. Smith University, M.B.A., University of Utah)

** JOSEPH LEE BOYD, *Specialist in Accounting* (B.S., Univ. of South Carolina, C.P.A. Certificate)

JACK S. BRAYBOY, *Vice President for Administrative Affairs and Professor of Physical Education* (B.S., Johnson C. Smith University, M.S., Ed.D., University of Pennsylvania)

JOHNNIE M. BULLOCK, *Instructor, Mathematics* (B.S., Howard University, M.S., Atlanta University)

DeGRANDVAL BURKE, *Instructor, Religion* (B.S., M.Div., Johnson C. Smith University, M.A., McCormick Theological Seminary)

CHARLIE LUCILLE BUTLER, *Assistant Professor, Music* (B.A., Fisk University, M.A., Radcliffe College)

SAMUEL W. BYUARM, *Professor and Head, Department of Sociology, Chairman, Division of Social Sciences* (B.A., Langston University, M.A., State University of Iowa, Ph.D., University of Illinois)

RILEY R. CABINESS, *Associate Professor, Department of Education* (A.B., Johnson C. Smith University, M.A., Columbia University, Ph.D., New York University)

BALDEO K. CHOPRA, *Associate Professor and Acting Head of Biology Department* (B.S., M.S., B.H.U., India, Ph.D., Auburn University)

HERMAN L. COUNTS, *Professor, Philosophy* (A.B., M.Div., Johnson C. Smith University, A.M., McCormick Theological Seminary)

CHARLES R. COX, *Swimming Coach and Instructor, Physical Education* (B.S., Claflin College, M.S., West Virginia University)

JEAN C. COZART, *Instructor, English* (B.A., Howard University, M.A., Columbia University)

FRANK E. CRABTREE, *Associate Professor Sociology* (B.S., M.A., Fordham University, Ph.D., Emory University)

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JUANITA DAVIDSON, *Specialist in Social Welfare* (B.A., Dillard University, M.S.W., Atlanta University)

MACK L. DAVIDSON, *Associate Professor, Business Administration and Economics, and Vice President for Business and Financial Affairs* (A.B., Johnson C. Smith University, M.B.A., Atlanta University)

** VIRGINIA J. DAVIDSON, *Assistant Professor, English* (B.A., Rivies College, M.A., University of Wisconsin)

LLOYD H. DAVIS, *Associate Professor, Education* (A.B., St. Augustine's College, M.Ed., Boston University)

FRANK DeFELICE, *Associate Professor Business Administration* (B.A., Michigan State University, M.B.A., University of N.C., Ph.D., University of N.C.)

N. V. DESAI, *Assistant Professor and Acting Head of Business Administration and Economics Department* (B.A., Sardarpatel, M.A., M.S.M.E., North Carolina State University)

OSSIBELLE B. DIXON, *Instructor, Physical Education* (A.B., Shaw University, M.S., North Carolina Central University)

* * AHMED EL-DERSH, *Associate Professor Economics* (B.Com., Alexandria University, M.A., Alexandria University, Ph.D., Syracuse University)

FOSTER T. DRAKEFORD, *Assistant Professor, Physics* (B.S., Livingstone College, M.S., Howard University)

JOELLA C. FERRELL, *Assistant Librarian* (B.A., Johnson C. Smith University, M.S., in L.S., Atlanta University)

JEROME H. FITCH, *Head Basketball Coach and Instructor, Physical Education* (B.S., North Carolina Central, M.S., North Carolina Central)

MARY C. FLOWE, *Assistant Librarian, Curriculum Materials Librarian* (B.A., Johnson C. Smith University, M.A., New York University, M.S. in L.S., University of North Carolina at Chapel Hill)

JOAN DAUGHTRY FORNEY, *Instructor Elementary Education* (B.S., Johnson C. Smith University, M.Ed., Boston University)

FLOSSIE A. FOXX, *Assistant Professor Head Dept.* (B.A., M.A., Howard University, Ph.D., Columbia University)

SIDNEY L. FREEMAN, *Assistant Professor, English* (B.S., University of Wisconsin, M.A., Bowling Green State University, Ph.D., Cornell University)

JOSEPH A. GASTON, *Vice President for Student Affairs and Assistant Professor, Psychology* (B.A., M.Div., Johnson C. Smith University, M.A., University of Denver, Ph.D., Michigan State University)

BOYD J. GATHERRIGHT, *Associate Professor, Department of Mathematics, Acting Chairman, Division of Mathematics and Sciences* (B.S., Knoxville College, M.S., State University of Iowa)

ISRAEL J. GERBER, *Professor, Psychology* (B.A., Yeshiva University, M.S., City College of New York, Ph.D., Boston University)

NANCY G. GOLSON, *Instructor, Early Childhood Education* (B.S. and M.S., Auburn University)

SHIRLEY A. GOODMAN, *Assistant Professor, Psychology* (B.A., AIMA College, M.Ed., University of North Carolina, Ph.D., University of North Carolina)

EDYTHE R. GRADY, *Associate Professor, Music and University Organist* (B.S., in Business, B.S., in Music and Organ, Hampton Institute, S.M.M., Union Theological Seminary, Professional Diploma, Columbia University)

MATTIE S. GRIGSBY, *University Librarian* (B.S., Johnson C. Smith University, M.S. in L.S., North Carolina Central University)

* * GEORGE F. HENRY, *Instructor, Biology* (B.S., M.S., North Carolina Central University)

EUGENE L. HERMITTE, *Assistant Professor, History* (A.B., Stanford University, Ph.D., Northwestern University)

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- SYLVIA McGRIFF, *Instructor, English* (B.A., Spellman, M.A., Kansas State University)
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- VIETTA E. NEAL, *Associate Professor, Chemistry and Director of Institutional Research* (A.B., Texas College, M.A., University of Michigan)
- HENRIETTA T. NORRIS, *Assistant Professor, Elementary Education* (A.B., Jackson College, M.A., Atlanta University)
- P. BRADLEY NUTTING, *Assistant Professor, History* (A.B., Earlham College, M.A., Ph.D., University of North Carolina)
- BENJAMIN E. OGUAH, *Associate Professor, Philosophy and Religion* (B.A., University of Ghana, D. of Phil., Oxford University)
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- HELEN C. OTHOW, *Associate Professor of English and Acting Chairman, Division of Humanities* (B.A., St. Augustine's College, M.A., North Carolina Central University, Ph.D., University of Wisconsin)
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- RUFUS G. PETTIS, *Professor and Head, Department of Mathematics and Director of the 1975 Summer School* (B.S., Benedict College, M.S., Atlanta University, Ed.D., Oklahoma State University)
- MANUEL P. PLATAS, *Assistant Professor, Spanish* (Ped.D., University of Havana, M.A., University of North Carolina)
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- RUTH M. SNYDER, *Associate Professor of Chemistry and Acting Head of Department* (B.S., College of St. Teresa, Ph.D., University of Notre Dame)
- EDWIN THOMPCKINS, *Professor, Education* (B.S., Johnson C. Smith University, M.Div., A.M., Lincoln University, S.T.M., Pittsburgh Theological Seminary, Ed.M., Ph.D., University of Pittsburgh)
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- ELSIE E. WOODARD, *Assistant Professor and Acting Head, English Department* (A.B., Bennett College, M.A., University of Michigan)
- HAMPTON WRIGHT *Associate Professor, Mathematics* (B.S., Benedict College, M.S., Howard University, Ph.D., N.C. State University)

Part-Time Instructors, Assistants, Consultants, Coordinators, 1974-1975

LILLIE W. BLUE, *Mathematics*

CAMILLE S. DUNN, *English*

MICHAEL L. MASTERSON, *Psychology*

BARBARA H. MORAN, *English*

JULIA H. SAUNDERS, *Early Childhood Education*

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CAROLYN M. WILSON, *English*

RAYMOND WORSLEY, *Philosophy and Religion*

EDWARD A. YOUNGMAN, *Education (Art)*

New Doorways To Teaching And Learning

ELIZABETH M. GRAHAM, *Referee*

WILLIE G. PETTIS, *Referee*

RONALD SHELTON SWANN, *Referee*

DEGREES—1974

BACHELOR OF ARTS

Summa Cum Laude

Rhonda Odessa Covington Reidsville, North Carolina
**Vernita Connie Rhett Williams Palmer Park, Maryland

Magna Cum Laude

**Murvyn Janelle Baker Wadley, Georgia
*Lucinda Bowen Travelers Rest, South Carolina

Cum Laude

Martha Anne Cook Charleston, South Carolina
Debra Maurice Nixon Dry Nyack, New York
*Shannon Dean Freeman Durham, North Carolina
**Annie Joyce Hicks Goldsboro, North Carolina
**Vereda Allender Johnson Elizabethtown, North Carolina
Audrey Elaine Lee Camden, South Carolina
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Connie Elaine Pendergrass Charlotte, North Carolina
*James Russell Phifer Charlotte, North Carolina
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*Recardo Vernard Sockwell Winston-Salem, North Carolina
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| Anita Jan Washington | Montclair, New Jersey |
| * Yerly Margretta Wright Washington | New York, New York |
| Melvin West | Rochelle, Georgia |

BACHELOR OF SCIENCE**Summa Cum Laude**

| | |
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| Maggie Mae Peterson | Sumter, South Carolina |
|---------------------|------------------------|

Magna Cum Laude

| | |
|------------------------|-------------------|
| Charles Hennis Lincoln | Monrovia, Liberia |
|------------------------|-------------------|

Cum Laude

| | |
|---|----------------------------|
| Consuella Gibson Chavis | Greensboro, North Carolina |
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| **Dineshchandra Kantilal Kachalia | Bombay, India |
| Brenda Genevieve Sharp Knox | Seneca, South Carolina |
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| Henry Jefferson, III | Danbury, Connecticut |
| William Thomas Jefferson, Jr. | Yeadon, Pennsylvania |
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| Emilio Antonio Larrier | Elmhurst, New York |
| Dorothy Baldwin Latimer | Bartow, Florida |
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| Sharon Elaine Wilson | Cheraw, South Carolina |
| Norma Ann Withrow | Greensboro, North Carolina |
| Stanley Austin Wright | York, South Carolina |
| Nobel Alphonso Young | Pawley's Island, South Carolina |

*Summer, 1973

**Winter Semester, 1973-74

**GENERAL NUMERICAL SUMMARY OF STUDENTS
1974-1975**

| Class | Men | Women | Total | Working Toward Degree |
|---------------------------------------|------------|--------------|--------------|--------------------------------------|
| SENIOR | 104 | 100 | 204 | |
| JUNIOR | 71 | 79 | 150 | |
| SOPHOMORE..... | 189 | 151 | 340 | |
| ADVANCED FRESHMAN..... | 96 | 73 | 169 | |
| FRESHMAN..... | 208 | 193 | 401 | |
| UNCLASSIFIED | 15 | 3 | 18 | |
| SPECIAL | 7 | 5 | 12 | |
| TOTAL—REGULAR | 690 | 604 | 1294 | 1282 |
| SUMMER SESSION—1974 | 147 | 168 | 315 | 252 |
| TOTAL—REGULAR/SUMMER SESSION | 837 | 772 | 1609 | 1534 |
| DUPLICATIONS—SUMMER SESSION | 121 | 103 | 224 | 222 |
| TOTALS—YEAR..... | 716 | 669 | 1385 | 1312 |

GEOGRAPHICAL DISTRIBUTION OF STUDENTS 1974-1975

| STATE | MEN | WOMEN | TOTAL |
|---------------------------|----------|----------|----------|
| ALABAMA..... | 4 | 1 | 5 |
| ARKANSAS..... | 1 | 0 | 1 |
| CALIFORNIA | 1 | 0 | 1 |
| COLORADO | 2 | 0 | 2 |
| CONNECTICUT..... | 1 | 2 | 3 |
| DELAWARE | 3 | 4 | 7 |
| DISTRICT OF COLUMBIA..... | 18 | 11 | 29 |
| FLORIDA..... | 23 | 14 | 37 |
| GEORGIA | 8 | 20 | 28 |
| ILLINOIS | 8 | 6 | 14 |
| INDIANA | 3 | 0 | 3 |
| LOUISIANA..... | 2 | 1 | 3 |
| MARYLAND | 16 | 4 | 20 |
| MICHIGAN | 3 | 2 | 5 |
| MISSISSIPPI..... | 1 | 0 | 1 |
| MISSOURI..... | 0 | 3 | 3 |
| NEW JERSEY..... | 36 | 16 | 52 |
| NEW YORK..... | 75 | 46 | 121 |
| NORTH CAROLINA | 224 | 226 | 450 |
| OHIO | 10 | 7 | 17 |
| PENNSYLVANIA | 39 | 22 | 61 |
| SOUTH CAROLINA | 159 | 172 | 331 |
| TENNESSEE..... | 3 | 2 | 5 |
| TEXAS..... | 1 | 0 | 1 |
| VIRGINIA..... | 33 | 42 | 75 |
| WEST VIRGINIA | 0 | 1 | 1 |
| FOREIGN COUNTRIES: | | | |
| AFRICA | 14 | 1 | 15 |
| ENGLAND..... | 0 | 1 | 1 |
| INDIA | 1 | 0 | 1 |
| ISRAEL | <u>1</u> | <u>0</u> | <u>1</u> |
| TOTALS..... | 690 | 604 | 1294 |

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